Bird Notes A.S.A.
1918 - May 1924

Amelia S. Allen.
37 Mosswood Road.
Berkeley, Calif.

Digitized by the Internet Archive
in 2017 with funding from
CLIR

https://archive.org/details/birdnotes00alle_2

1918.
Jan. Feb. March.

Jan. 12. Rain at last! Hills not yet green. No robins except an occasional straggler. Winter has been exceptionally warm and dry so far.
Jan. 15. Heard Killdeer call as it flew over in early dawn. Rain; warm.

Feb. 10. Walk with S.F. Audubon Association on U.C. Campus. Virgo Wrens and Bush-tits prospecting for nests. Weather warm. No heavy rains yet. Hills brown. Flickers giving spring call. Screech owl that has been roosting in flicker box given to museum-alive.
Feb. 17. Rain. Titmice seen to enter box.
Feb. 22. Allen Hummer here. Titmice in box again. Hills green.
Feb. 28. Saw one swallow flying about near Washburns.

Mar. 2. Rusty Song Sparrow appeared on feeding table. Had not been seen all winter. Mrs. Dixon came to take photographs of birds on feeding table. Warm. Fruit trees in blossom. Heard Allen H. again.

1918.

March.

~~Mar. 2. Rusty Song Sparrow on feeding table.~~

Mar. 8. Heard a Luleścent Warbler.

Mar. 17. Black Phoebe lighted on perch on feeding table and flew out under porch for flies.

Mar. 24. Went to Golden Gate Park with Mr. and Mrs. Arthur Cole and family. Vigors Wren building in tunnel in hole in stalactites. Hole 2½ in. in diameter. Buffle Heads, Blue Bills and Ruddy Ducks on North Lake. Partly cloudy. cool.

Mar. 14. Saw three swallows near Frenchman's. Warm. Rain. Rusty Song Sparrow still here.

Mar. 20. Bush-tits building nest.

Mar. 27. Have not seen Rusty Song Sp. today. Hermit Thrush on table.

Mar. 29. Heard W. Flycatcher and Pileolated Warbler.

Mar. 30. Went to Bay Farm Island with class of ladies (in Mrs. Coles auto) Black-crowned Night Heron stood on fence post at side of road. Did not move till auto started. Saw also Ring billed Gulls, Glaucous-w.-g., Western g., hundreds of pipits, meadow larks, Lut. Sparrows (many singing - very gray)

1918
March. April.

Mar. 30 (contin.) Nuttall Sparrows, Golden-cr. Sp., Red-winged Blackbirds, Brewers Blackbirds, Linnets, Marsh Hawk, Allen (or Rufous?) Hummer, Killdeer, 5 Sandpipers on slough, Curlew, 1 Cormorant, Bryant marsh Sp (many) Salt Marsh Song Sp., 1 swallow.

On Lake Merritt, Gulls, Blue Bills, Ruddy Ducks, Coot.

Mar. 31. Daylight-Saving. Clocks set back 1 hr. Walked to Museum and by way of cañon home. Warbling Vireo near College Ave bridge. Many Townsend Warblers singing - also Juncos, Pileolated Warblers, R-c. Kinglets, Lutescent Warbler, Audubon Warblers. Heard several Western Flycatchers. Hermit Thrush still here, also 2nt. Sparrow, Fox Sparrow, and G-c. Sp. Saw 1 Black Phoebe.

Apr. 1. Hermit Thrush calling.

Apr. 7. Tolmie Warbler singing. Titmouse feeding mate in box.

Apr. 11. Russet-backed Thrush calling. Hermit Thrush still here. Family of Bush-tits flying about in trees. Took walk with Mrs. Kibbe and Mrs. Kelly in ~~Strawberry~~ Hamm Canyon. Saw S.F. Towhee, Lutescent W, 2nt. Sp., Song Sp., Linnets, Green-b. Goldfinch, 2 quail, Allen H.

1918.

April

Apr. 11 (Contin.) Wrentit, Bush-tits, Cal. Jay, Coast Jay, Purple Finch, Pileolated W., Meadow Lark, House Wren (first time) Rufous-cr. Sp., Titmouse, Thrasher, R-c. Kinglet, G-c. Sp., Cal. Towhee, Juncos, Pine Siskin, Audubon W., Vigors Wren. Total 26.

Apr. 12. Heard Russet-backed Thrush again.

Apr. 14. Hermit Thrush and Fox Sp. still here. S.F. Towhee on table - has not been coming during winter.

Apr. 15. Heard Robin and Tolmie Warbler. Went to Cemetery - Saw several robins in ivy. Heard chipping Sparrow.

Apr. 16. Table walk with ladies in canyon. Found Vigors Wren, House Wren, Pil. Warbler, Lutes. W., Tolmie W., Quail, Cal. Jay, Coast J., Mutall Sp., Golden-cr. Sp., Green-backed Gold., Brown Towhee, S.F. Towhee, Warbling Vireo, Hutton Vireo (2 pairs) Bush-tits, W. Flycatcher, Sierra Juncos, Sharp-sh Hawk, House Finch, Purple Finch, R-c. Kinglet, Wren-tit, Meadow Lark, Allen H. Clear, warm. East wind.

Apr. 17. 4 naked young in titmouse box.

Apr. 18, 19. Very hot. East wind. Migrating Warblers.

1918.

April.

April 20. Large flocks of migrating birds in canyon.

Apr. 21. Warm. Walked up Strawberry canyon. Winter Visitants - 1 Junco, Audubon Warblers, Intermediate Sp. and G-C. Sp. in flocks, feeding on cut-worms in oaks. Many Hermit Thrushes some singing. 2 Fox Sparrows.

Summer Visitants: Several Russet-backed Thrush - no songs - 2 Black-headed Grosbeaks. Lazuli Bunting, and others noted earlier. Eng. Sp. gathering cut-worms (for young) Saw young Allen H, this year's bird, doing pendulum act, whistle less explosive, softer. Titmice feeding young 3 to 7 minutes apart. Bush-tits feeding young in nest near kitchen window.

Apr. 23. Cool, foggy. W. wind. Watched birds on campus, end of Piedmont Ave.

W. Flycatcher - nest under Sen. Women's Hall. Cal. Jay - nest in oak. Flickers, W. Vireo, Quail. 2 Juncos (singing) Bush-tits, G-C Sp. (flock) Wrentit, 1 Willow Woodpecker, Black-headed Grosbeaks (many) Purple Finch, Allen H., Linnet, S.F. Towhee, Song Sp., House Wren, Brown Towhee, 1 Black-Throated Gray Warbler, Lutescent W., Virgos Wren. Coast Jay, Eng. Sp.

1918.

April 24.

Blue jay tried to get young from Bush-tits nest near kitchen window. I heard calls of distress from bush tits and frightened off the jay by throwing at him. This is the second time this season I have seen jays attacking bush-tits nests. Cold W. wind.

Apr. 25. Heard W. Flycatcher call at 10. P.M. Fog. and cold W. wind.

Apr. 26. Hermit Thrush & Golden-cr. Sp. still here.

Apr. 28. Heard W. Tanager near G/K. Theater.

Apr. 30. Sierra (?) Juncos on electric wire on Norwood Road - singing.

May 1. Mrs. Cole took bird class to Lafayette and Diablo Country club. Wonderful day with many birds - Long-tailed Chats, Buntings, Oriole, etc.

1918.

May 7. Mrs. Cole took us to Golden-Gate Park. Heard Wood Peewee for first time this year as I went down the hill!

May 16. Thrushes calling more persistently but no songs.

May 18. Heard Oriole.

May 19. Coopers Club met at house. Warm. Heard Oriole in early A.M. Thrushes singing late P.M. Vigors Wrens finished nest began yesterday in Jamie's box. I found one trying to get in May 17. Hole too small. Tapping on edges with bill. I made hole larger. May 18. I found them trying to get sticks in. Very awkward at first.

May 29. Olive-sided Flycatcher heard first time. Calling often.

Wren-tits feeding young in bushes.

Vigors Wren in box brooding. 4 Eggs.

May 31. Went to Rock Springs on Tamalpais. Heermann Gulls with white heads on bay. 22 Cormorants seen from Sausalito boat. On mountain side: Finches, Vigors Wren, Intermediate W., Rufous-cr. Sp., Least S. F. Towhee. At Rock Springs: Mourning Dove, Brewer Blackbirds, Crows, Red-Tailed & Hawk, Calif. Woodpeckers, Meadow Lark,

1918.
May-June.

May 31 (contin.) Purple Finch, Juncos, Coast Jay, Lutescent W. Chickadee, Pine Siskins, Green backed Goldfinch, Calif. Jay. Warbling Vireo, Hutton Vireo, W. Flycatcher, Chipping Sp. Cln Waxwing Nt. Pileolated W., Wrentit, Bush-tits. Cal. Creeper - 3 young, clinging to bark of tree 20 ft. from ground. Russet-b. Thrush

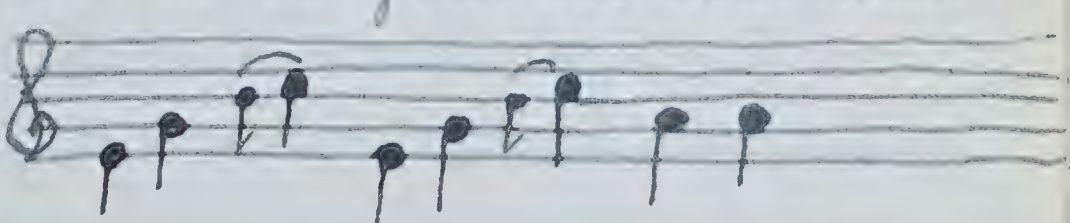
At Rock Springs were 2 unknown birds.
1 large flycatcher in dead top of pine tree. Several birds whose songs were like Audubon Warblers. I could not see them. Also some large pigeons - band tailed?

June 2. Lafayette. - with S. F. Audubon. Assoc List: Sparrow Hawk, Brewer Blackbird, Brown Thrasher, Flicker, W. Flycatcher, Meadow Lark, Cliff Sw. Pil. Warbler, Yellow W., Song Sp., W. Bluebird, Lut. W., Linnet, Cal. Jay, House Wrens (Family) Cal. Woodpecker, Mourning Doves, Wood Pewee, Lazuli Bunting, Warbling Vireo, Long-tailed Chat, Black Phoebe, Cassin Vireo, Rough-winged or Bank Swallow, Green backed Goldfinch, Titmouse, Red-tailed Hawk, Lawrence Goldfinch, Allen H., S. F. Towhee, Bush-tits, Slender-b. N.

1918.
June

June 2 (Contin.) Quail, Russet-backed Thrush, Chipping Sp., Anna H., Willow Goldfinch, Red-winged Blackbird, Bullocks Oriole, Shrike (from train) Vigors Wren, English Sparrow.
June 13. Wrens hatched in box - naked except for a little down.
June 16. Went into Berkeley Hills with Mr. and Mrs. Kibbe to find Bell Sparrow.
Saw or heard Sp. Towhee, Br. Towhee, Bush-tits (in flock) Wren-tits, Vigors Wren, Gb. Goldfinch, Linnets, ? Nuttall Sp. Song Sp. Meadow Lark, Cal. Jay, Lazuli Bunting, Thrasher, Willow Goldfinch, Anna H., Rufous-cr. Sparrow, Horned Lark (heard), Grosbeak, Cliff Swallows, Russet-b. Thrush, Tolmie W., Pil. Warbler, Lut. Warbler, Lark Sparrow, Flicker, Quail, Allen H., Purple Finch and on divide between Strawberry Canyon and Claremont Canyon a pair of Bell Sparrows building a nest in fern and artemisia.

Song:



June 19. Little wrens in box (Vigors), covered with pin feathers. Both parents feed but only one broods apparently.
June 22. W. Flycatcher came in to perch of feeding table.

1918.
June, July, Aug.

June 23. Virgos Wren from box came on to perch and picked up melon seed.
June 25. Quail with 11 young in garden.
June 26. Little wrens gone from box.
Brown Towhee brought young to table
July 9. Creepers in Strawberry Canyon above Piedmont Ave.
Aug. 2. Summer School ended. Finished course in Field Zoology under Dr. Whitney of Nebraska University.
Aug 4. Wren-tit on table. First time for year or more.
Aug. 5. Ash-throated Flycatchers seen in Smythe Canyon. Alighted near us then flew eastward.
Aug. 6. Rattle of Kingfisher heard.
Aug. 8. Went to Mrs. Edwin Meads to see baby Anna Hummer which Ruth was caring for. Perfectly tame, sat on my finger and drank sugar syrup out of a medicine dropper. Put its bill and tongue up into tube, also into flowers. Has only four tail feathers but others could be seen in sheaths.
Aug. 10. Ruth reported hummer dead.
Quail come into garden for dust baths

1918.
August - Sept.

every day. Young S.F. Towhee comes to table to feed.

Aug. 14. Mrs. Fish reported Louisiana Tanager in her garden.

Aug. 16. Saw and heard Tanager on Bancroft Way near College. Mrs. Ferguson saw 2 Kingfishers fly past 27 Roosevelt Road at 10:30 a.m - rattling loudly. Flew up canyon. Young S.F. Towhee moulting. Quite rusty on sides but still streaked.

Aug. 19. Saw Kingfisher twice on Tunnel Rd.

Aug. 20. Began teaching Nature Study at the Claremont Outdoor School.

Aug. 21. Saw Gnat catcher in Strawberry Canyon - also W. Flycatcher, Rufous-cr. Sparrow, Allen H., R-b. Thrush, Grosbeak.

Aug. 25. Sh. Sh. Hawk caused great commotion among quail at dusk.

Aug. 27. Brown Towhees very ragged from moulting.

Sept. 1. Counted 42 quail taking dust bath near drinking fountain. They come every day, some days many times.

Sept. 8. Russet b. Th. calling at dusk. Got Bell Sparrows nest.

1918.

Sept.

Sept. 9. Saw W. Flycatcher and Allen H.
Sept. 12, 13, 14. Heavy rain.
Sept. 16. Saw two robins in Smythe Canyon. Many kinglets for two weeks now. Also Rubicated W. Lutescent W. W. Flycatcher, Warbling Vireo, House Wren, Russet-b. Thrush, 2 Heermann Gulls and many sandpipers in bay.
Sept. 19. Russet-b. Thrush called at dawn. 2 Grosbeaks in Canyon, Allen H., W. Flycatcher, Hutton Vireos (many), Pil-W. Lut. W., Town. W., Juncos, (near Gk. Theater) Creepers. Young Grosbeaks in post-juv. moult. Slender-billed Nuthatch and Golden Crowned Kinglet, Yellow W., Willow Woodpecker. Walked down Canyon to Gk. Theater, then over to museum and home.
Sept. 21. Rain with electric storm. Hills quite green.
Sept. 22. Heard and saw Kingfisher at 7:30 A.M. Golden-cr. Sp. in dull plumage in ground outside dining-room window at 8:30 A.M. Broken clouds. Warm, green, spring-like. Meadow Larks, Thrashers, Towhees and Vigors Wrens singing. Walked up canyon 9:30 - 11 A.M.

1918.
Sept. – Dec.

Rain. Flicker drumming. Saw Lutescent W., Pil. W., Sparrow Hawk, Fox Sparrow singing. Russet backed Thrush and the usual summer residents. Flock of warblers came onto oak trees outside dining-room windows. Many pil. W., Townsend, and 1 immature Hermit W. recognized. also lutescent. 1 Townsend W. alights on perch of feeding table.

Sept. 28. Golden-cr. Sp. abundant.

Sept. 30 Ruby-cr. kinglet and Audubon W. Wash. 1 W. Grebe on bay and several Heermann G.

Oct. 7. Hermit Thrush seen. 2 House Wrens, one singing.

Epidemic of Influenza.

Oct. 27. Clocks back with sun.

Oct. 29. Rusty Song Sparrow on table. Many Golden-cr. Kinglets. Hermit Th. singing. Dry, warm weather

Oct. 31 - Armistice signed.

Rusty Song Sp. appears every day, many times. Cold. Kinglets eating aphids on string beans. Golden-cr. Kinglets very abundant for a month now.

Dec. 9. Saw Orange-crowned Warbler from Museum.

1918

Dec

Dec. 16. Rusty Song Sp. still here. Weather has been cold with Tule fogs on bay in early morning - later scattering over hills Have heard only 3 Robins so far.
Flock of 25 Robins flew over.
Dec. 24. Rusty Song Sp. still here.
Dec. 26. When it came to table for potato.
Dec. 27 Thrasher on table.
Dec. 28. 29. Went to Mt Diablo Park with Mrs. Ferguson and Elizabeth. Stayed over night at Red Horse Tavern. Very cold. Heavy frost and icicles in A.M. Saw Killdeer, many in fields. Swd Red-t. Hawk, Sp. Hawk, Meadow Lark in great flocks, Brewer Blackbirds, Red-w. Blackbirds, Shrike, Blue jay (Cal.) Pipits, Golden cr. Sp., White-cr Sp. Rufous-cr. Sp., Brown Towhee, Black Phoebe Say Phoebe, Juncos, Slender-billed Nuthatch, Cal. Woodpecker, Flicker, Nuttall Woodpecker, Red-br. Sapsucker, Plain Titmouse, Bush-tits, Hermit Thrush, Green-b. Goldfinch, Willow G. Blue birds (many), Ruby-cr. Kinglets, Eng. Sparrows.

29 species

1919

Jan.

Jan. 2, 3. Went to Saratoga with Mrs. Ferguson and Elizabeth. Cold night. Frost. Long icicles in canyon. Warmer in middle of day. Linnets (singing), Titmice (singing), Purple Finches, Hermit Thrushes (singing), Robins (few), Chickadees, Black Phoebe (one), Brown Towhees, White-cr. Sparrows, Golden-cr-Sp., Rufous-cr. " , Ruby-cr. Kinglets (few) Finches, Wrentit, Vigors Wren, Song Sp(1) Red-tailed Hawk, Green-backed Goldfinch, Juncos, Bush-tits, Thrashers, Audubon W., Hutton Vireo, Pipits, Cal. Woodpeckers, Red-b. Sapsucker, ~~on way home saw Bluebirds~~ - Killdeer, Brewer B., Red-w. B., Meadowl.

Jan 3. On way home saw Bluebirds 3rd Sp.

Jan 4. Rusty Song Sp. gone.

Jan 11. S. F. Towhee on table.

Jan. 13. Vigors Wren came to table for suet. Thrasher, Wren-tit, S. F. Towhee come to table regularly.

Jan. 27. Saw for first time a Black and White Warbler. Found first by Mrs. Kelly of Alameda near end of Piedmont Ave. on Campus.

Jan. 28. Titmouse came to table several times for suet.

1919.
Jan. Feb.

Jan. 29. Found Black and White Warbler again in oak trees at N. End of Piedmont Ave. Creeps along branches picking food from under the bark. Note - a high chip.

Feb. 11. Heavy rain for three days.
Brown Towhee got hung by stout string in hazel bush. String was entangled about one foot thru wound about the branch. Bird screamed in distress. Was swinging like a pendulum. Many Jays, Wrentits etc. responded to distress calls.
Banded. - 49010.

Feb. 16. Went to Lake Merritt. Saw or heard Flickers, Meadow Lark (many feeding on lawns) Brewer Blackbirds, Pipits (about 100) Nuttall and Intermediate Sparrows, Song Sp. - Golden crowned Sp., Robins, Western Gulls, Ring-billed Gulls, Eared Grebes (about 150), Pied-billed Grebes (6) Ruddy Ducks, Canvas-backs, Bald Pates, Ruffle Heads, American Golden-Eyes, Lesser Scaup, Coots, Shovellers, Calif. Gulls, and Bonaparte Gulls.

1919.

Feb. March.

Feb. 18. Went with class of ladies to Claremont Hotel and Institution for Deaf & Blind. Found Ruby-cr. K., Aud. W., Robins, Cedar Wax-wing (20), Hermit Thrush, Song Sp., S.F. Towhee, G-c. Sp., Townsend W., Bush tits, Willow Woodp., Sp. Hawk, Flicker, Br. Towhee, Cinnamon H., Virgin's Wren, Linnet, W. W. Wren, G-c. Kinglet, Juncos, Cal. Jay, Brewst. Goldf. Allen H., Titmouse, White-cr-Sp., Linnet, Purple F., Cooper's Jay, Wren tit.

Feb. 19. Parkman House Men singing on Prospect St. near Channing Way. Have heard Chinese call several times this winter.

Feb. 19 to Mar. 5. Parkman House Men heard singing often. Many Robins and Cedar W. about. Often come into Campus.

March 7. Clear, cold. Went to Rock Ridge. Many Allen H., Juncos, Robins, and Song Sp.

March 13. Titmice drove Blue Jay from near Bird Box.

Mar. 14. Clearing after stormy day. Lutescent W. heard for first time in early morning.

March 20. Beginnings of nest in Titmouse box. Many Cedar Wax wings about.

March 21. Campus. Juncos, R-c Kinglet, Flicker, Allen H., Bush tits, Blue Jay, Linnet, Lut. W., Aud. W., Meadow L., Br. Towhee, S.F. Towhee, Golden-cr. Sp., Townsend W., Titmice (building nest) Golden-cr. Kinglet, Black Phoebe, Song Sp., Mountain Thrasher, Fox Sp.

1919.
March - Apr.

March 29. Fox Sparrow flew into basement.
Banded - No. 49002.

Apr. 1. Pileolated W. heard - first time.
Titmice busily building in box.
Virgin Wrens investigating their box but were driven away by titmice.
Buck-tits building nest outside kitchen window.

Apr. 4. Went to Bay Farm Island. Raining when we started but cleared later. Lunch at Mrs. Kelly's afterward. Saw:
Western Grebe, Glaucous-w Gulls, Cal. Gulls, Bonaparte G., Rail (Clapper), Canvas Backs, Blue Bills, Surf Scoter, Gt. Blue Heron, Curlew Black-cr-Nt. Heron, Killdeer, Black-bellied Pl., Semipalmated Pl., Least Sandpiper, W. Sandp. Sp. Hawk, Meadow Larks, Brewer Bl., Redwing, Pipit, Bryant Marsh Sp., Al. Song Sp., Lut. Sp. Golden cr. Sp., Linnets, Pacific yellow throat. Eng. Sp., Ruby-cr. Gold., Barn Swallow.

Apr. 5. Cedar Waxwings.

Apr. 7. Fox Sp., Hermit Thr., Lut. Sp., Red here.

Apr. 8. W. Flycatcher back.

Apr. 9. R-c. Kinglet, G-c. Kinglet, Hermit Th., Aud. W. Two Hermits on table at once at dinner time.

1919.

April

Apr. 11. Fine spring morning - went to Hills near home. Linnets, Song Sp., Br. Towhee, S. T. Towhee, Bush-tits, Quail. Nuttall Sp., Meadow L., Titmouse, Blue Jay, Golden-c. Sp., Lut. W., House Wrens (many), Wren-tit, Flicker, Purple F., Thrashers, Coast Jay, Vigors W. (building in Flicker box), Ruby-cr. K., Allen H., Anna H., Townsend W., Fox Sp, Aud. W. (singing), Green t. L., Dut. Sp., Pine Siskin, Juncos - 2 in night! Bird - a S. F. Towhee? - gave distress calls, Strong odor from skunk.

Apr. 13. Went to Lagunitas with Audubon Assoc. Fine clear morning after heavy shower in night. Saw on way: Lesser Scaup, Surf-Scoter, Glaucous w. Gull, Bonaparte's G., W. Gull, Calif. G., Ring-b. G., Cormorants, Crow, Red-s. Bl. Reached Ross at 10 A.M. Pileolated W., Lut. W., Yellow W., Linnet, B. Chickadee, Allen H., Pine S., W. Varied. Song Sp., Sp. Towhee, Chickadee, Pur. Finch, W. Flycatcher, House Wren, Nuttall Sp., Sh. Shrike, Wren-tit, Golden-cr. Sp., Quail, Bush-tit, Br. Towhee, Coast Jay, Anna H., Hutton Vireo, Vigors Wren, Red-t. Hawk, Hermit Th., Titmouse, Cal. Jay, Violet-G. Swallow, Kingfisher, Turkey Buzzard. Others reported Meadow W., Black-h. Grosbeak,

Apr. 14. Still here - 37 Marsh-wood: Ruby-cr K., Fox Sp., Golden-cr. Sp., Pileolate Warbler heard.

Apr. 16. Claremont. Saw 1 Hermit Th., 1 R.C. Kinglet, many G.-c. Sp., 3 Towhee W., 3 Grosbeaks. Townsend W.

1919. April

Apr. 18. Mrs. Cole Cook & I to Lafayette. Fog in early morning. Warm and clear later. First stop — E. end of Old Fish Ranch Road. Lunch at La Fayette. Seen: Tolmie W., Pil W., Lut. W., W. Vireo, Horned W. (building), Brewer Bl. Bullock Oriole, Meadow L., Song Sp., S. F. Towhee, Br. Towhee, Anna H., Allen H., Golden-cr. Sp., Lut. Sp., ~~Mutall Sp.~~, Pipits, Robins, Bluebirds (building), Flickers & nest, Willow Woodp., Nuttall W., Green-b. Goldfinch, Black-h. Grosbeak, Cliff Sw. (large colony on old barn), Yellow W., Sp. Hawk, Turkey B., Cal Jay, Coast J., W. Flycatcher, Ruby-cr. K., Hermit Th., Vigors Wren, Audubon W., Myrtle W., Barn Sw., Mountain Thrasher, Linnet, Purple F.

Apr. 19. White-throated Sparrow seen from dining room window several times feeding in oaks. Coloring very bright. Many Townsend W. singing. Oaks in full leaf and blossom. Knight (R-c) heard once.

(Apr. 21. Fox Sp. gone. Also Knights, Thrush, Juncos, Lut. Sp. and Robins.) Titmouse feeding brooding mate.

Apr. 27. Juncos (per. res.) singing near Gk. Theater. Also picking up food from seats during concert.

1919.
Apr. May.

Apr. 28. Golden-cr. Sp. still here.
Apr. 30. Russet bk. Thrush and Lazuli Bunting back. Yellow warbler in canyon. Wire-sided Fly C. in Institution Grounds -
May 1. Wood Peewee back. A few Golden-cr. Sp. still here.
May 2. Bay Farm Island: Stayed near bridge. Fog early: clear later. 9:30 A.M. on - Barn Sw. Cliff Sw. (Night Hawk?) Linneto, Eng. Sp., Song Sp., Brewer Blackb., Redwing, Western; Bonparte Gulls, Forster Terns, W. Grebe, 2 Blue Bill, Eared Grebe, 1 Golden-Eye - Curlew (60), Least Sandp, W. Sandp., W. Dowitchers (3), Semip. Plover, Black-cr. Night Heron, Gt. Blue Heron.

May 4. Bay Farm Is. Windy - Shore birds abundant near bridge, Richard Hocking with me - Saw Black-cr. Night Heron colony at Cohen place. nest, eggs and young - Bullock Oriole Horned Larks near Lumbers yard. Also a different Sparrow - like song Sp. but very tiny note - Streaking very fine. Dark color.
May 8. Canyon w. Hocking children - Usual birds - W. Fly. nest in Cabot's Shed, Bush-tits' nest when tit brooding on nest, Titmouse feeding young.

1919.

May.

May 6. Blue Jays feeding young in nest in Eucalyptus tree in Mr. Roe's garden.
May 7. Bush-tits feeding young in nest placed low in baccharis bush in Claremont. Thrushes singing softly.
May 8. Golden cr Sp. in bath.
May 9. Took photos of Bush tits. No results. 1 nest in baccharis, 1 in weeping willow.
May 11. Heard Tanager singing in early morning. Went to Lafayette, Warren county Bay. S.F. Audubon assoc.
List: Quail, Morning Dove (1 pr.) W. Flyc., Wood Pewee, Ash-th Flyc., Cal Woodp, Nuttall W., Cal. Jay, Meadow L., Redwing B., Brewer B., Cliff Sw., Lunet, Bluebird, Grosbeak, Warbling V., Oriole, Anna H., Slender-billed Nuthatch, Titmouse, Lutes. W., Lazuli B., Chipping Sp. (nest w. young), Song Sp., Redtailed H., Cedar Waxwings, Brown T. (with young still in nest), Long-tailed Chat, House Wren, Vigors W., Pine Siskin, S.F. Towhee, Flicker, Bank Sw., Bush tit (young out of nest on branch), Willow Goldf., Sp. Hawk, Yellow W., Russet b. Thrush, Shrike.

1919

May.

May 12. Lutescent W. family on wing. Nest in Mrs. Fergusons garden empty.
May 14. Bush tits nest in weeping willow tree empty. Also the one in Baccharis - Cedar Waxwings seen.
May 15. Tanager singing.
May 24 Went to Montara and Moss Beach with Jamie and Richard Hacking - Saw W. Gulls, Farallone Cor., Flame Cutter, Phalaropes Shrikes, Meadow L., Linnets, Song Sp., Mitrall Sp., Horned Larks, Bank Sw., Eng. Sp., Melon Goldf., Bush tits, Brewer Bl. Grosbeak, Murres, Black-cr Nt. Heron

Dead Birds found on beach at Montara
6 Tufted Puffins
2 Horned Puffins
2 Murres,
1 Cormorant -

May. 26. Cedar Waxwings eating Cherries at Vickers -
May 27. Hot. Took photos of baby Wrentits and banded them. Photos of parent Vigors Wren on perch of Flicker box (nest inside) Cedar Waxwings seen again.
Opened Tetmosse box - 5 blue eggs infertile -

1919.

May 31. House Wren began nest in Box 3, Fake.

June 1. Blue jay caused shrill cries of distress from Brown Towhee.

Nests found in 1919 -

Titmouse.

No. 1. in box at 37 Mosswood.
Begun before Mar. 20. Drove away
Vigors Wrens from box near by Apr. 1.
Feeding brooding mate Apr. 21. When we
opened box May 27, found 5 eggs still
there - infertile.

2. In Eucalyptus near Palmer house
in dead limb, Feeding young May 4.

3. In tree on Strawberry Creek in
Canyon. Building Mar. 21.

Vigors Wren. 1. In nesting box made for Flicker
· Building Apr. 11. Young flew May 30.

W. Flycatcher

No. 1. Calves · Shed. Brooding, 4 Eggs
May 8.

No. 2. Under Bridge near nursery.

Wren-tits · No. 1. Near Strawberry Creek
just above nursery in Baccharis bush
at end of branches. Brooding May 8.
Empty May 26.

No. 2. In Baccharis bush on Cheney
lot, Mosswood Road - at tip of branches.
Female sat close when observed May 10, 12

Nests - 1919.

Took photos May 29. Banded. May 28 young in bushes near nest.

Flicker. No 1. In oak stub near Claremont Outdoor School - 8 ft. from ground Found Apr. 30. Feeding young May 7, 14.

No. 2. In oak in Faculty Glade. Feeding young May 26.

Bush tits. No. 1 - High in oak near kitchen window. Building Apr. 1.

No. 2. In Baccharis bush in Claremont. Feeding lusty young May 8. Nest Empty May 15.

No. 3, In weeping willow tree in Claremont, low in hanging branches. Feeding lusty young May 8. Empty May 15.

Brown Towhees.

No. 1. Nest in rods on stream bank at Lafayette. May 11. Two young almost grown. One hopped out of nest.

Goldfinch - Greenbacked.

No. 1. In wild rose 2 ft. from ground at Lafayette May 11. Young just hatching (George)

Nests – 1919.

No. 2. In bush 4 ft. from ground. 1 egg May 6.

Blue Jay. In Eucalyptus tree at Mr. Roe's place on Panoramic Way – Feeding young May 6.

House Wrens: No. 1. In knot hole above bay window in Mr. Steiberg's house Feeding young May 27.

No. 2. In pole holding guy rope of electric pole on Prospect & Channing. Feeding young May 21, 27, June 1.

June 7. Went to Monteano on the Russian River with Mrs. Ferguson and Elizabeth. Redwood Region. List: Spotted Sandpiper, Killdeer (young running about), Quail (with small young), Turkey B., Kingfisher, St. Horned Owl, Cal. Woodp., Allen H., Ash-throated Fly catcher, W. Flyc., Coast Jay, Cal. Purple Finch, Willow Goldf., Green B. Goldf., Pine Siskin, Long Sp., Sp. Towhee, Spotted, Bank Swallow, W. Vireo, Lutes. W., Yellow W., Pileolated W., Long-tailed Chat, Tule Wren, Chickadee, Russet-b. Thrush, Creeper, Wrentit, Red-tailed Hawk, Robin, Screech Owl, Hutton Vireo, Bush-tits, Morning Dove, Wood Pewee, Cal. Jay, Chipping Sp., Cal. Thrasher, Anna H., Br. Towhee, W. Tanager, Olive-sided Flyc., Violet G. Swallow, Vaux Swift, Osprey and nest, Tolmie W., Flicker, Mont. Hermit Thrush, Brew. Black., Bullock Oriole, W. Bluebird, Sp. Hawk, W. Gull over the river.

June 9.
Found Fish Hawks nest of top of broken redwood tree. Mother on nest. Father on dead branch of tree near by. After watching them an hour I saw the mother fly over the hill and return a little later with a long stick in her talons. Stick must have been about 3 ft. long. The father remained on his perch.
In the evening both birds were flying over the nest.

June 10. Walked up to Farmer Jones' ranch on top of ridge. Beautiful view. Turkey B. prominent. Hermit Th. singing.

June 11. Went home via Sebastopol, Petaluma, Ft. Richmond.

June 12. Found we were to leave for Boulder Creek. Began house cleaning. Father House wren had Box 3 full of sticks. Flying in and out constantly and singing with his head out of hole.

June 17. Went to Boulder Creek to Mrs. F. C. Johnson's Cottage in grove of beautiful redwoods. Mr. & Mrs. Lee & Eleanor went down

1919.

Boulder Creek List.

with us and remained a few days.
and Richard Hocking from Wed. to Mon.

June 17.

Boulder Creek. First year.

Bird List.

Black-crowned Night Heron.
Calif. Quail.
W. Mourning Dove.
Turkey Buzzard.
W. Red-tailed Hawk
Sparrow Hawk (Big Tree)
Barn Owl
Cal. Screech Owl
Belted Kingfisher
Cabanis Woodpecker
Calif. Woodpecker
Red-shafted Flicker
Anna Hummingbird
Allen Hummingbird.
Black Phoebe
W. Wood Pewee
Olive-sided Flycatcher
Ash-throated "
Western "
Coast Jay
Calif. Jay.

1919.

Boulder Creek List June-July

W. Meadowlark (Felton)
Bobolink Blackbird
Cal. Purple Finch
Cal. Linnet
Willow Goldfinch
Green-backed Goldfinch
Pine Siskin
English Sparrow
W. Chipping Sparrow
Pt. Pinos Junco
Santa Cruz Song Sparrow
Spurred Towhee
Cal. Brown Towhee
Pac. Black-hd. Grosbeak
Lazuli Bunting.
Cliff Swallow
N. Violet Green Swallow (?)
W. Warbling Vireo
Hutton Vireo
Lutescent Warbler
Cal. Yellow "
Black-thr. Gray Warbler
Pileolated Warbler
California Thrasher
Vigors Wren
W. Winter Wren

1919.

July. Boulder Creek.

Tawny Creeper
Santa Cruz Chickadee
Coast Bush tit
Dwt. Wren tit
Russet-backed Thrush
W. Blue Bird.
Water Ouzel.

July 3. Found nest of Russet-backed Thrush in small alder over river. Three young just getting pin feathers.

July 8. Only 1 young thrush left. Fully feathered.

July 9. Thrush's nest empty.

July 12. Banded an adult O.t. Pinos Junco caught in house. No. 49003.

July 20. Found 2 W. Winter Wrens in Clear Creek canyon near Brookdale.

July 21. Black-cr.-Night Heron found roosting near Mason cottages. Saw several Sandpipers probably Vaup's.

July 31 Returned to Berkeley

1919.
Berkeley. August - Sept.

Aug 1-4. Young Olive-sided Flycatchers on telephone wire, calling a-plenty softly and trying to catch flies.

Aug. 12. Saw a Robin near the Museum in an oak tree. Flew to telephone wire, then over bleachers to South.

Aug. 13. Began second year at Claremont Outdoor School — every Wed. a. m.

Aug. 14. Tolmie Warblers singing in morning. Dr. Witmer Stone of Phila. Acad. of Sciences spoke at Cooper Club. Urged more literary work in Ornithology.

Aug. 22. Tolmie Warbler singing.

Aug. 23. W. Tanager in pines on Mosswood Road.

Aug. 27. W. Robin flew over Claremont School. Thrasher began period of fall song. Thrashers, Towhees and Song Sp. have completed fall moult and appear in bright plumage. Belly of S. T. Towhee pure white.

Aug. 28. Black-h. Grosbeak seen.

Sept. 5. Saw W. Tanager in La Loma Pine tree. Began year's work in Greenwood School — Friday mornings.

Sept. 9. W. Tanager on Mosswood Road.

1919.
Sept.

Sept. 12 Flocks of migrating warblers seen. Heard Red-breasted Nuthatch. Heard one Grosbeak also Russet-backed Thrush.

Sept 13. Saw one W. Flycatcher.

Sept. 12. Watched Strange Flycatcher in Cordinices canyon. Perched on wire flew out often. Quick, business-like. Note heard once - reminded me of oft-heard note of Ash-throated Flycatcher. Size of Wood-pewee. Color - clear gray above, lighter than Wood Pewee. 2 wing bars, whitish underneath, grayer on sides. Head very flat. Trail F.?

Sept. 20.

Went alone to Golden Gate Park. Car to 43rd Ave. Walked thro' Park to 44th Ave. Then took car to Cliff House. Saw Allen H. Killdeer (flying over), Brewer Bl., Intermed. Sp., 1 Cooper Hawk, Pine Siskins (a few), 2 Phalaropes (Northern?) 1 Russet-b. Thrush. 1 Blue bird. Pil. W., Song Sp., Lut. W., Black Ph., Nuttall Sp., Virgin's Warb., Tanager, Anna H., Linnets, W. Flycatcher, Chickadees, Yellow W., Yellowthroat, Gnat. Warblers, Red-br. Nuthatch, Trail, Fletcher Bushtits, Eng. Sp., Purple F. Coots, Mallard Pied-billed Grebe, Ruddy Duck (with 2 babies)

1919.
Sept. 20. Golden Gate Park.

2 Curlew (flew over). At Cliff House, W. Gulls Calif. Gulls, Herrmann Gulls, Farallone Cormorants and 2 Brown Pelicans.
Sept. 19. was hot with E. wind and forest fires in Marin Co. Sept. 20 a low fog hung along the shore and crossed the bay opp. the gate as far as Berkeley. Fog cleared in park during morning. Birds were very abundant, esp. Song Sp. Warblers, Nuttall Sp., Yellow thr., Chickadees, Nuthatches + 2 wk. Near Stow Lake men were spreading manure over an open space. On the ground near the edge of field was a Blue bird in very Thrush-like pose, clear, light grayish blue above, pale cinnamon on under parts.
At the Cliff House the tide was low. The rocks (Seal) are white with guano and were covered with hundreds of Far. Corm. and a few gulls. Two very large birds with long bills I took to be Brown Pel. They circled about the top of the highest rock and finally seemed to alight on the ocean side; later they flew to the south low over the water and keeping very close together. At times they flapped their long wings slowly. Later two other

1919.
Sept.

eight birds were seen. On the beach Brewer Bl. and Gulls were acting as Scavengers.

On the bay there were large numbers of Sandpipers, phalar. and Bon. Gulls. One large flock in the distance behaved like terns. They seemed to be following a school of fish. The Pied-billed Grebes on Stow Lake called a number of times a loud, clear whistling note, higher pitched than that of coot. Total number of species seen - 43. A Cooper Hawk flew into a flock of Dit. and mutall Sp. in pine trees.

Sept. 23. Saw a Marsh Hawk rise in spiral over W. side of hill. Rump spot, tail bands, black tip of wing and pointed primaries distinct.

Sept. 24. Golden-cr. Sparrow back.
Vaux Swifts seen in Claremont.
Townsend warblers back
Brown Towhee on table very ragged from moulting.

Sept. 25. Banded Br. Towhee on table - not an exception but the regular thing.

1919.
Sept. Oct.

Fox Sp. back. Blue jays (or more) 125 times in half hr.
Sept. 28. Saw young warblers (Lutescent?) eating cascara berries.
Sept. 29. Heavy thunder shower in P.M.
Sept. 30. Coast Jay came to table for first time. Took large piece of bread, flew to tree, held bread bet. toes and broke it with beak. While I was watching it came from table to window sill 3 times. Blue spot above each nostril visible.
Sept. 31. Heavy rain. Golden-cr. Sp. singing.
Oct. 4. Fox Sparrows began coming regularly to the food table. Birds singing frequently Fox Sparrow, Thrasher, Wrentit, Titmouse, Nuttall Sp., Intermed. Sp., and Golden-cr. Sp. Allen Hummer still here.
Oct. 5. Went to Golden Gate Park and Beach. Very warm.
Oct. 6. Very warm. Warblers still migrating. Audubon W. very numerous in Faculty Glade.
Oct. 7. Still very warm. Light N. winds. Heard Robin. Mrs. Kelly reported pipits.
Oct. 8. Hermit Thrush back. Fox Sp. singing freely.
Oct. 9. K-C. Kinglets and juncos abundant.
Oct. 10. Saw 2 House Wens. Warm.

1919
Oct - Nov.

Oct. 11. On way to S.F. saw W., Cal., Ring b. ~~and~~ Heermann's Bonaparte Gulls, Sandpipers & Phalarope. Many ducks on mud flats Pipits. Warm.

Oct. 12. 1st Golden-cr Sp. began coming to table.

Oct. 13 - Foggy. Fox Sp. singing freely. Hermit Th. common.

Oct. 15. Saw many (12) Gnatcatchers in brushy hillside in Claremont. 1 Killdeer flew over.

Oct. 19. Went to Bay Farm Island. with Audubon Cl. Saw pipits, Lunets, Bryant March Sp., Salt marsh Song Sp., Pac. Yellow-throat, Meadow L., Killdeer, Eng. Sp., Blue Heron, Grebe, Sp. Hawk Marsh Hawk, Green backed Gold., Nuttall Sp. 2nt. Sp., Shrike, W. Sandp., Red-b. Sandp., Black-b. Plovers, Snowy Plover, Brewer Black b. Barn Owl & Eared Grebe shot by hunters. Heard Kingfisher as I went down the hill.

Oct. 28. Heard 2 Kingfishers up the canyon. Robin heard. Gnatcatcher on Mocking Road.

Nov. 1. Little W. Winter Wren flew into house. Kept it in a box several hours hoping to give it to Mrs. Bryant for her aviary

but it escaped.
Nov. 3. Robin heard. Banded Fox Sp. returned.
Nov. 5. Saw W.-W. Wren.
Nov. 7. Bluebirds flew over.
Nov. 8. Bluebirds again. Varied Robins came into black oaks at corner of place. Have heard their call in the distance several times.
Nov. 9. Bluebirds again.
Nov. 10. W.-Winter Wren at 37 Hermosa. Many birds at Table. 1 Thrasher, 5 Fox Sp., 2 Br. Towhees, 2 S.F. Towhees, 1 Song Sp., many Golden-cr Sp.
Nov. 13. Flock of bluebirds near museum.
Nov. 14. Bluebirds at Euclid & Rose Sts. and on Campus at Hearst & Oxford.
Nov. 18. Bluebirds & Pipits at Hearst & Oxford.
Nov. 26. Gnatcatchers still in Claremont
Nov. 27. Windstorm - cold.
Nov. 30. W.-W. Wren heard calling every day. Singing today. First time I have heard one sing in Berkeley. Banded Fox Sp. and Banded Br. Towhee seen whenever I take time to watch for them.

1919.
Dec.

Dec. 6. Flock of Bluebirds seen flying above a soaring Hawk (Red tail) and calling very loudly. Bluebirds finally disappeared from view though I could still hear them calling high in the sky.
House Wren on the hill.
Dec. 7. Say Phoebe seen at ranch at head of canyon.
Dec. 13. Clear, frosty. Went to Lake Merced with S.F. Aud-Assoc.
New species identified - Short-billed Gull - Specimen found - presented to museum.
Whistling Swans. Flock of 11 seen. One left dead by hunters. Retrieved and presented to museum.
Wilson Snipe - very shy. Slipped out of tules for a moment.
Sora Rail I watched it feeding on edge of tules for 15 min.
Saw also many eared grebes, 2 W. Grebes, Canvas backs, Ruddies, Coots, Killdeer, Sp-H. W. Red-tail, Flickers, Spits, Juncos, Mutt-tail Sp. Sut Sp. Golden-cr. Sp, Song Sp. And. W., Pac. Yellowthr. R-C. King. Vigors W. Black Ph. Her. Th

1919.
Dec.

Dec. 22. Took night train to Los Angeles. Cloudy. Not cold.

Dec. 23. Arrived on time. Clear. frosty. Down to Beverly P. M.

Dec. 28. Went to meeting of S. Dir. C.C. in evening. Very heavy fog. Mr. Daggett took me home in his machine.

Dec 24 Saw Burrowing Owl on way to S. Monica. Warm. Killdeer, pipits, females.

Dec. 27. Went to Hermosa. Very warm. Wore no coat in open car. Ate lunch on pier. Saw Hermann Gulls, 2 with white heads. Hundreds of ducks off end of pier. Flock of sanderling on beach, 1 Blackb. Plover. Butchers birds seen by roadside.

Dec. 23-28. W. Mocking bird with broken leg came every day for water. Hatched in same garden several years ago - My sister helped him to fly when he was a baby bird.

Dec. 29. Went to Pomona. Very warm.

Dec. 30. Went out to Ganesha Park for an hour. Saw following birds.
Aud-W. (abundant), W. Robins (several flocks Linnets (abundant), Flickers (3), Meadow

1919.
Dec.

birds (many), Pasadena Thrasher (1), Ant. Sp. (abundant), Chipping Sp (a flock), Song Sp. (several), Cal. Jay (1), Willow Goldf (1), Juncos (flock), Black Phoebe (1), Anna Hummer (2), Anthony Towhee (several), Bailey Chickadees (2), W. W. Wren (1), Hermit Thrush (2), R-c. Kinglet (2), Fox Sp. (2), Blue birds (flock), Purple Finch (flock), Brewer Blackb., Green-backed Goldfinch, Pallid Wren tit (heard)
Very warm. Clear.

Dec. 31. Claremont. Warm - Clear.

1. Robins abundant, eating pepper berries, ripe olives and berries on umbrella trees.
2. Brown Towhee - Anthony
3. Bailey Chickadees
4. Mocking birds - abundant.
5. Butcher Birds.
6. Song Sparrow - San Diego
7. Pipits - abundant.
8. Pasadena Towhees
9. Eng. Sparrows
10. Valley Quail
11. Flickers
12. Hermit Thrush
13. Ant. Sparrows.
14. Calif. Woodpeckers
15. Calif. Jays.
16. Cans. Warblers.
17. Wren tit
18. Ruby-cr. Kinglet
19. Purple Finch
20 Golden-cr. Sp.
21. Sp. Towhee
22. Bush tits
23. Juncos.

24. Gramboches Gold. 25. Brewer Blackb. 26. Blue-fronted Jay. 27. Blue Birds, 28. Meadow Larks. 29. San Diego Mocn.

1920.

Jan.

Jan. 5. Spent an hour in the morning in Echo Park. Warm, clear. Saw Coots, Ringbilled Gulls, Pied-billed Grebes, One Eared (or Horned) Grebe, 1 Farallone Cor., W. Gnatcatcher (in weeping willows) Song Sp (San Diego) - Ruby-cr. Kinglets, And. Warblers - abundant. Robins, Varied Robin, Hermit Thrush, Anna H., Br. Towhee, Lut. Sp., Red. breasted Nuthatch, Black Phoebe, White-thr. Swift (20), Green b. Gold fg., Orange-crowned (or Dusky?) warbler Brown Black b. and Cedar Waxwings on hill above Echo Park.

In afternoon went with Mrs. Anthony and Mrs. Snyder to Holly wood - Letts Place & Griffiths Park. Saw Cedar Waxwings, Coast Jay, Cal. Jay, Varied Robins, Fox Sp., Golden-cr Sp, Mex. tit Thrasher, Sp. Towhee, Sp. Hawk, Butcher Bird Hutton Vireo and Gnat catcher (in cactus at Letts.)

Jan. 6. Returned to Berkeley

Jan 7. Arrived in B. in early A.M. Cold north wind.

~~Jan 8. Ruby Song Sp. Cr~~

1920.
Jan.

Jan. 9. Went to Mrs. Gregory's school. A Marsh Hawk flew over. This alarmed a flock of Cross Bills in the high pine trees. Saw many cross bills in flight but could not make a positive identification. When I reached home one of the children telephoned that she had seen one male bird quite close and it showed no white on the wing.

P.M. With help of Mr. White at the museum I skinned and stuffed my first bird – a Red-shafted Flicker.

Jan. 10. Horse Mtn still on W. slope of hill.

Jan. 12. Went to Lake Merritt. Warm, clear winter's morning. Reached Lake soon after 10 A.M. when ducks are fed. Lawns were covered with Pintail, Baldpates, Shovellers, named in order of abundance. Also many Gulls, (Calif., Ring b. and Glaucous-winged) On water were more of same ducks and also Canvas Backs, Lesser Scaup, Ruddy, Female Golden-Eye, 1 Female Ruppel Head, and preening on the shore two Green-winged Teal. Also many Eared Grebes, Coot, Killdeer, Pipits Robins, Meadow Larks and Brewer Blackb.

Banded a Ruby-cr Kinglet caught in W. Bedroom.

1920.

Jan. Feb.:

Jan. 14. Tule Fog over town. Clear on hill.
Varied Robins in Claremont region.
Jan. 15. Saw small flock of Swainson Crossbills in almond trees on Panoramic Way. Both males and females present. They were eating almonds, readily forcing open the shells with their bills.
Heavy tule fogs at night in valley.
Jan. 16. Warm. ~~James taken sick, apparently~~ ~~with~~ flu. Saw a few Crossbills at Mrs Gregory's. Great flocks of Pine Siskins about. Feeding in oak trees. Do a great deal of chattering. One flock about 300. Rec'd a letter from Mrs. J. T. Nichols asking me to report San Francisco region for Bird Lore.
Jan. 16 - Feb. 1. James very sick - Acute Bronchitis - and a touch of pneumonia.
Feb. 1 - No rain. Wild currant, plum, Jap. Quince in bloom.
Feb. 8. Almond trees beginning to bloom.
Feb. 10. Cedar Waxw. on Bancroft Way.
Feb. 12. Flock of Swainson Crossbills near Heart Hall.
Feb. 13. Found Allen H. with nest nearly finished. Nest contained 1 egg. Placed in geranium under overhang over Mrs. Hoyes front door.

1920

Feb. Mar.

As I stood almost under the nest which was perhaps 8 ft. from the ground, the female alighted on the nest and placed materials while she shaped it.

Feb. 20. Cold with heavy frost after light rain. Allen N. still at nest.

Vegas men came for nest. Titmice about box where they have nested 3 yrs. Male in tree above called "Ceasar-ink". Female came and entered box. Could detect no building material.

Feb. 21. Banded Fox Sp. still here. Also banded Br. Towhee. Frost in early a.m.

Feb. 24. Frost early. Brilliant morning. Allen Hummers arrive (mates). Indications in Temple Canyon. Two pairs of buckbirds and one large flock seen.

Feb. 25. Cold north wind.

Feb. 26. Rain. Continued thru' Mar. 2

Mar. 2. Thrasher sang at 3:30 a.m. in rain.

Mar. 3. Brilliant. Frost in early a.m. Saw two creepers - one in Claremont, one on Pomona Way. Banded 3 birds caught at 38 Mesquite. 1 Mutall Sp. (Jump) 2 Golden-cr. Sp. W. Thrasher still in Claremont.

1920.

Mar.

Mar. 4. 2 Banded Golden. cr. Sp. on my table

Mar. 5. Allen H. still on nest at Mrs. Noyes. Creeper & Nuthatch (red breasted) at Mrs. Gregorys. 3 House Wrens, 2 singing.

Mar. 6. Lutescent Warblers in Smyths Canyon.

Mar. 12. House Wren still in neighborhood of Mrs. Gregorys, singing.

Mar. 14. Titmouse and Wrentit came to table for suet. Banded birds come to table constantly. Rain.

Mar. 15. Banded ~~Nuttall~~ Nuttall (Purp) Sparrows came to table. Mrs. Noyes reported Allen Hummers hatched. Rain.

Mar. 18. Titmouse cleaning box.

Mar. 19. House Wren seen again near Mrs. Gregorys singing enthusiastically. Saw baby Allen H. at Mrs. Noyes. Banded a Nuttall Sp (Purp) at 38 Mossrock.

Mar. 20. Pileolated W. here. Saw Lutescent near Museum bridge. Heavy rain at night.

Mar. 23. Banded a Wrentit that was caught in basement. Came and lighted on faucet as I stood at tub.

Mar. 25. Heavy rain. Mrs. Nos Allen Hummers flew.

Mar. 26. Clear. Cold. Saw Eastern Flicker near Mrs Gregorys. Yellow under wings and red

1920.
Mar. Boulder Creek.

on crown. Took afternoon train to Boulder Creek. Wild flowers at Los Altos and Los Gatos in full bloom. Prune trees also. Some peach and pear blossoms.

Mar. 27. Boulder Creek.

A.M. Black-crowned Nt. Heron
2 Kingfishers flew over, calling.
2 Water Ouzels at dam bobbing furiously. Flew up stream together.
Red-shafted Flicker, Anna Hummer.
W. Black Phoebe. Western Flycatcher.
Cal. Purple Finch, House Finch, Gray-b. Gold.
Juncos - flocks, Sp. Towhee, Cal. Towhee,
W. Violet Green Swallows 15-20.
Warbling Vireo, Audubon Warbler, Vigor's W.,
W. Winter Wren, Santa Cruz Chickadee,
Int. Wren tit, Cal. Bush tit, Ruby-cr.
Kinglet, Alaska Hermit Thrush -
P.M. Willow Woodpecker, Allen Hummer,
Creeper. In late afternoon watched
Water Ouzel gather moss for her nest.
Calif. Jay.

Mar. 28. Varied Thrushes (several), Hutton Vireo,
Pileolated Warbler, Lutescent W., Blue birds.
Song Sp., Int. Sp., Cal. Quail (heard one.)
Golden-crowned Sp.. No swallows today.

March 29. Warm, sunny. Saw Sh-Sh. Hawk, Pine Siskin. Swallows gone.
Water Ouzels seen again on same boulder with moss in bill. Part of song heard indistinctly. Varied Thrushes singing in early morning. Found Water Ouzel building its nest on same spot where we took the perfect nest last year. Watched her work. Also saw her swim and heard the song - a warm like song with some clear whistled notes added.
P.M. Ouzel came to nest at 2 P.M. with moss, again at 2:10 P.M. I then waited till 2:45 without seeing her. At 3 P.M. heard song as I stood on county road above the river, then saw female (?) working on nest. She used her bill & tuck in moss. Stood in entrance, bobbing often. Sometimes flattened herself, spread her wings and seemed to smooth and shape nest with her wings. Then flew down into water. From above she seemed to be walking on the water.
4-6 P.M. walked up Big Creek Road. Saw pair

birds exc. juncos, chickadees bush tits and Steller Jay.

Mar. 30. Cold in early morning. Warm in middle of day. Saw Brewer Blackb. Cliff Swallows (under eaves of barn next road yard. Watched Water Ouzel building from 10:45–11:05. Came & went with material most of which she placed high at the back. One long rootlet in bottom at center. Heard male sing full song once, and a snatch once.

Mar. 31. Colder. Water Ouzel still working at nest. Perhaps half finished. Always comes with building material & log at foot of big boulder opposite nest, waits a moment, then flies across to nest. Saw her swim again. Rattle like diminutive kingfisher's rattle – shorter, not so loud. Given by both male and female. Male uses it as preface to song. Male does not seem to help build nest but stands on guard or is near by. Took afternoon train & Rattled. Heard a wounded Varied Thrush just

1920.
April.

before leaving. 2 immature plumage. Died.
Apr. 1. Berkeley. Made study-skin of V. Thrush.
Apr. 2. Rush tits nest near Mrs. Gregory's complete
Pil. W. common.
Apr. 4. Beautiful day. Gulls migrating. Call
as they rise over hill. Do not hear
V. Thrush call in morning. Titmice
busy building. W. Vireo here.
Apr. 5. Easter - Perfect day - More gulls.
W. Flycatcher here. Anna's hummer
nest in garden. House Wren common.
Apr. 8. Saw Rufous Hummingbirds. W. Vireo
and W. Flycatcher common.
Lut. Sp. still here.
Apr. 7. A pair of Lutescent warblers came
into wild currant under dining-room
window. Female busily stripping bark
from wild currant, male keeping near.
Apr. 9. Rain.
Apr 13. Campus.
Per. Res. Spurred T., Flicker, Song Sp.,
Purple Finch, Meadow L., Brown T., Eng. Sp.,
House Finch, Cal. Jay, Bush tits, Plain Titmouse -
Cal. Quail, Wrentit, Coast Jay, Pine Siskin.
Winter Res. G-c-Sp., Res-b-Nuth., Hermit Th.,
Juncos, Townsend W., Robin.

1920
April

Summer Vis. Lutes. W., Allen H., House W., W. Flycatcher, Pil. W., W. Vireo (Ruf. N. Transient)

Apr. 16. Win. Vis. Varies Thrushes singing at dawn. Ruby-cr. Kinglet singing, And. W. singing Golden-cr. Sp., Fox Sp., Hermit Thr., Town. W. singing, Junco.

Sum. V. Black-h. Grosb., heard first time. Transient. Many Rufous H. (12 or more) seen on N. edge of botanical garden near N. Gate Park. Song pendulum, whistle metallic, not as clear as Allen or Anna. Saw Allen H. do pendulum as high as any Anna H.

Apr. 17. North wind. Gnatcatchers near house.

Apr. 18. " " Golden-cr. Sp.; Olive-sided Flyc. reported by Mrs. Paine. Fox Sp. here. Gnatcatcher in garden. Very warm.

Apr. 20. Golden Gate Park. Clear, chilly. N. wind. Saw Pied-billed Grebe, Cal. Gull, Baldpate, Ruddy D., Mallard, Coot (3 young), Anna H., Allen H., Black Phoebe, Song Sp., Nuttall Sp., S. F. Towhee, Linnet, Purple F., Yellow W., Pil. W., Vigors W., Red-b. Nuthatch, Bush Tit (young out of nest.) Chickadee, Hermit Th., Robin, Crossbill, Hutton V., Fox Sp. Golds.-cr. Sp., W. Vireo, Green-backed Golds.

1920
April.

Apr. 20 (contin.) Brewer Bl., Rufous H., Myrtle W. Juncos (singing). Eng. Sp., Violet G. Sw. Loons, Leach's Sc., Pac. Yellow Th. Total 39.

Apr. 20. Inner bay. 1 Curlew, Buffle Head Ducks, Surf Scoters, Blue Bills, West. Grebe. Eared G., Ring-b. G., W. Gull. Total 47.

Apr. 22. Goldcrest heard singing several times during day.

Apr. 23. Tolmie W. singing. Fox Sp. and G.c. here

Apr. 24. No Fox Sparrows.

Apr. 25. Saw Hermit Thrush. Purple F. sang twice in night 12:40 and 1:20 A.M. Summer day.

Apr. 26. Summer. Russet-b. Thr. & Lazuli B. G.-c. Sp.-here.

Apr. 27. Bay Farm Is. Warm. W. Sandp., Least Sandp. Red-b. S., Sanderling. Snowy Pl., Semipalm. Pl., Black-bel. Pl., Killdeer, Curlew, Marbled Godwit, W. Willet, Long-b. Dowr., Cl. Rail, Bon. Gull, W. Gull, Calif. G., Ring-b. G., Glauc. W. Gull, Forster Tern, Cliff Sw., Barn Sw. B. Chickadee, Pipit, Marsh Song Sp. Linnet, Br. Blackb., Mead. L., at Cohen Place. Black-cr. N. Heron, Cal. Quail, Calif. Woodp., Yellow W., S. F. Towhee,

1920.
April - May.

Lules. W., Bullock O., Bush tits,

Apr. 28. Saw 3 W. Tanagers in oaks at 37 Mosswood at 7 a. m. Saw flocks of 15-20

Evening Grosbeaks on Vicente Road in Claremont Region in oaktrees. Was attracted by their whistling calls which they repeated often. Heard R. b. Thrush

Apr. 30. Ch. Sp. in N. Berkeley - singing - Also Chick-ad. Flycatcher.

Saw 2 Cliff Swallows.

May 2. Chick-ad. Flyc. at Claremont Hotel. One Robin " "

" on lawn.

May 4. Lafayette - warm.

List - Red-t. Hawk, Turk. Buz., Morning D.,
Bank Sw., 1 Swift, Cal. Woodpecker,
Nuttall Woodp., Flicker, Meadow L.,
Brewer Bl'B., Redwinged Bl'B., Grosbeaks,
Linnet, Song Sp., Lazy B., Willow G.,
Green b. Goldf., Lawrence Goldf., Siskin,
Sp. Towhee, Br. T., Chip. Sp., W. Vireo, Long-t.,
Chat., Bil. W., yel. W., Cal. J., W. Flyc.,
Wood Pewee, B. Phoebe, Ash-thr. Flyc.,
Anna H., Allen H., House W., Vigors W.,
Wren-tit, Bush-tits, Bullock O., Shrike
Bluebird. Total 40

1920
May.

May 4 (contin.) Saw G-c. Sp in Berkeley in P.M. Last time.

May 5. Claremont Region – Saw Evening Grosbeak, Long-tailed Chat. Young Titmice in box make themselves heard!

May 8. Saw Blue Jay carry away 2 eggs from nest of Calif. Towhee. One of pair of towhees is banded. The other squeals whenever disturbed by Jay. Squealed each time Jay came for eggs.

May 9. Went up canyon with Dr. Brainerd Mrs. Plehn's uncle. House W. still building.

May 10. Took morning train from Oakland to Boulder Creek. Mason Cottage. Saw 2 female Ruffs. Pheasants near Campbell in grain field. Many curlew in marshes near Alviso. Beautiful Spring weather. Spring flowers in full bloom including field flowers, lilac, azalea, etc. Juncos are feeding well-grown young but Thrushes except Hermit not yet singing.

May 14 Heard Hermit Th. above Boulder

1920

May. Boulder Creek.

in deep canyon. Gray Squirrel took cover on Johnson fence. Moved bed on to porch.

May 15. Mysterious bird heard singing before dawn - half an hour before any other bird. Sounded far away. At dawn creepers were calling constantly. Purple Finches most numerous judging from songs which were very varied and ecstatic. Located Allen Hummers nest from bed. Song of R.b. Thrush heard.

May 16. Hummingb. nest contained 1 egg. Night was cold. Warm during day -

May 17. Hot.

May 18. Hot. Hummer's nest contains 2 eggs. Cotton gathered from ends of swing rope. (Walked up San Lorenzo River road 2 miles. Small, close flock of birds size of Grosbeaks flew below me. Gave impression of black except middle of back which was rusty. Call a low whistle.

May 19. Hot.

May 20. Cooler.

May 21. Hummer seldom remains on nest more than 5 minutes in early A.M. then off for a minute. Feeds something in

each time she returns to nest. Gathers cotton from rope ends of swing. Thrushes sing all day.

May 25. Water Ouzel seen first time. No ouzels about the nest built in March. Black-crowned Night Heron seen near river. Immature plumage.

May 26. Established food table on stump near front porch.

May 27. Juncos bring young to stump. Spotted Towhees carry food away to corner of Johnson place.

June 5. Allen Hummers in nest near porch hatched. 19 days since second egg was laid.

June 6. Allen Hummer in Johnson garden laid second egg. Juncos eggs in fern box hatched. Lilac blossoms past. Azaleas in full bloom. Yellow lupins past their prime. Wild violets nearly gone. Barn Owl seen by James in evening.

June 8. Found nest of Cabanis Woodpecker in dead alder on W. river bank upper end of Barker place.

1920
Boulder Creek.

June.

Young bird with red crown had its head out of hole, called constantly, giving single notes and also rattle.
Have heard the bird that sings before dawn every morning. Began this a.m. at 3:40. Sang without once stopping till 4:20. - rhythmic but not a melody - the note low pitched and of rich quality - "tum te te tum tum te tum - repeated over and over. Screech Owl, W. Flycatcher and Rooster called between 3:40 and 4:20. At 4:20 other birds began - S/p. Towhee, Thrush, Grosbeak, Willow-sides F., Black-thr. Gray W., etc. Song of unknown bird not heard after 4:30 a.m.
Purple Finch near here has a remarkable song, very varied and three times as long as the typical song - with variations like Green b. Goldfinch but richer tones.
W. Flyc. often calls during night. ~~Nest on support of roof at back of cottage (c.)~~
June 20. Noticed at noon that Allen H. was not about nest. Made examination. Found nest broken away from support at bottom. Two babies still inside and

1920

June - Boulder Creek.

alive. Tried nest in place and waited till 3:30 P.M. but mother did not return. Allen N. at Johnson cottage just beginning to sit. Removed her 2 eggs, put two baby birds in their place at 3:40 P.M. Bird returned almost immediately after, scratched young into proper position fed and brooded till 4. P.M. when I left her to her new duties.

June 11. At 9 A.M. visited Hummer's nest. Found mother bird busily feeding her adopted babies. Returned to nest twice in 15 minutes. Watched her feed four times by regurgitation at her second visit to the nest. She then settled heavily on the nest to brood.

June 12, 13. Mother A. Hummer still feeding the adopted babies.

June 12. Walked up Bear Creek Wood Road. Heard W. Winter Wren.

June 14. Grown Black Phoebes with parent birds. Rain.

June 15. Walked up San Lorenzo River. Found pair of Violet Green Swallows at Concrete bridge. In concrete support are drainage holes. One of the swallows

1920.

June. Boulder Creek.

flew into one of these holes and did not come out while we were there - 5-10 min. Very beautiful after the rain.

June 16. James and I took lunch and walked up to top of Ben Lomond Mt. by trail from Boulder Creek, down by road to Ben Lomond. Found branch road last 1½ mi. across to Brookdale. Found many new flowers. 5 Turkey Buzzards circled about the summit. Several Hermit Thrushes heard, each one at head of a remote canyon. Many Vigors wrens in oak belt at top of ridge. W. Tanagers near Mr. Walters Cherry orchard in high red woods 1½ mi. above Ben Lomond.

June 17. Allen H. at Johnson cottage still feeding. Young feathered. Fed thrice during hour I watched. James fed young in fern basket every 5 to 7 minutes. Only 2 young.

June 18. Returned to Berkeley. Warm.

June 19. Hot. Garden full of blooms. Canterbury Bells. Watsonias, Marguerites, Calceolarias etc. etc.

June 20. Cliff Swallows about.

1920.

June - July 3rd Berkeley.

June 28th. Another Allen Hummer's nest under Mrs. Noyes's front porch. Young almost grown.

July 4. Juncos on Institution Grounds. At Claremont Hotel saw 2 young Flickers - full size. Quail in hedge - 21 young, 2 sizes, 1 adult male, 2 females. Juncos at Claremont Hotel also.

July 17, 18. Swallows (cliff) about.

July 25. Young S. T. Towhee came to table to feed. Towhees, Song Sp., Thrasher and Jay moulting.

July 29. Went to see nest of Olive-sided Fly catcher, found by Mr. Storer, in Cypress tree near U. C. dairy. Both birds were in the tree next to the nest tree and were busy during the few minutes I could watch, driving off other birds that happened to come too near - among them a Hummer and two Purple Finches.

July 31. Two robins flew into Eucalyptus trees near dairy in early morning -

Aug. 10. One swallow seen flying high over canyon.

Aug. 16. Lazuli Bunting singing -

Aug.-Sept. 1920. Berkeley.

Aug. 20. Russet-backed Thrush calling. Gt. Blue Heron flew over campus at 6:30 A.M. Located it from hearing alarm notes given by Bush-tits as it flew over.
Aug. 23. Heard W. Tanager.
Aug. 24. Wood Pewees, Yellow Warblers and Pileolated Warblers still here.
Aug. 25. Pil. Warbler still here. Ales House Wren.
Aug. 26. Thrasher in full song - finished moult.
Aug 27. Yellow Warbler & Allen Hummer, Ales House Wren still here.
Aug. 28. W. Flycatcher seen.
Aug. 30. Kingfisher called at 6:30 A.M. over swimming pool. Sh. Sh. Hawk & W. Tanager seen.
Aug. 31. Russet-backed Thrush still here. Thrasher singing - also Meadow Lark
Sept. 1. Saw W. Tanager. Quail up in Elder berry bush eating berries. Blue Jay in fine feather.
Sept. 5. Russet-backed Thrush heard. Ales W. Gnatcatcher up Strawberry Canyon. Thrasher near swimming pool imitating Kingfisher ~~calls~~. Triplets -

Sept. 1920. Baumberg.

Sept. 8. Saw 2 Gnat catchers in Claremont region.

Sept. 10. Saw several W. Tanagers in La Loma Allen H. seen. B. Towhee still moulting. About 30 Blue jays (Cal.) flew out from La Loma toward North. Disappeared over hills at Wildcat Canyon.

Sept. 14. Went to Baumberg with Mrs. Kelly. Marshy land - salt basins, sloughs and a fresh water pond kept filled by pump for benefit of gun club.

1. Calif. Gull. 2. Bonaparte Gull. 3. White Pelican. 4. Pintail Ducks (hundreds).
5. Blue Heron. 6. N. Phalarope (on salt water)
7. W. Snipe 2 (1 flying). 8. Avocet - 6 to 8.
9. Black-necked Stilt - 12-15. 10. Least Sandpiper
11. W. Sandpiper. 12. Red-backed Sandpiper.
13. Greater Yellow Legs. 14 Lesser Yellow Legs.
15. Killdeer. 16. Semi palmated Plover.
17. Buzzard. 18. Marsh Hawk. 19 Sparrow Hawk
20. Red winged Black-bird. 21. Meadow Lark.
22. Brewer Blackbird. 23. Linnets,
24. Bryant Sparrow 25. Salt Marsh Song Sp.
26. Barn Swallow, 27. Violet Gr. Swallow,
28. Yellow Throat.

1920.

Sept.

Berkeley.

Sept. 15. Pil. Warbler, W. Flycatcher, House Wren, W. Gnatcatcher seen. Willow Woodpecker.

Sept. 18. Saw W. Flycatcher, 5 Juncos, and 25 W. Robins on campus. Also Traill Flycatcher.

Sept. 19. Five Calif. Woodpeckers near Arden Road at 10 A.M.

Sept. 22. Calif. Woodpecker seen in Claremont region.

Sept. 23. Intermediate Sparrows seen. Very light gray - fresh plumage. Wood Pewee catching insects from dead tip in oak tree. House Wren here. First rain.

Sept. 24. Two Audubon Warblers seen.

" 25 Went to Bay Farm Island. The island is being drained and turned into gardens. On the Alameda shore I found Western Gulls, Calif. Gulls, Ring-billed Gulls, 2 Eared Grebes, 1 Willet, 3 Godwits, 3 Common Gs, 1 Black-bel. Plover. 15 Killdeer and many western and Least Sandpipers. As we crossed the island we saw Meadow Larks, several Sparrow Hawks, Brewer Blackbirds and Song

Oct. 1920. Berkeley.

Sept. 25 (contin.) Bay Farm Is. On the bay shores were very few birds - and those only gulls and sandpipers.

Sept. 29. Saw a flock of Golden-cr. Sparrows and Intermediates. Both singing - This was in the Claremont Region.
Saw a Yellow Warbler.

Sept. 30. Saw one Audubon Warbler.

Oct 1. " 15 Audubon Warblers.

Oct. 2. Large flocks of Intermediate Sparrows

Oct. 3. Went with Jamie to saddle between Strawberry Canyon and Claremont Canyon. Lunched there. 3 Lewis Woodpeckers flew over. Also 1 Calif. Woodp. and 3 Red-tailed Hawks were seen.

Oct. 4. Fox Sparrow came to Table. None seen or heard before. Has evidently been here before as he was much at home.

Oct. 5. 1 Fox Sparrow.

Oct. 6. Rained last night.

Oct. 7. Two flickers were seen on the trunk of one of the small blackjack trees near window. One on one side of trunk the other exactly opposite. As one moved around the trunk the other moved just enough to keep opposite. Wasn't sure in 10 minutes

October 1920. Mill Valley.

They picked at each other around the bowls. Watched them 15 minutes when one (an adult male) flew away. The whole attitude suggested an altercation.

Oct. 8. Many fox Sp. singing - Red-breasted Sapsucker seen in West Berkeley.

Oct. 9. Went to Mill Valley in afternoon to spend a week end with Mr and Mrs. Kibbe. Rained most of night.

Oct. 10. Mill Valley. Rained till 11 A. M. Walked 11:30 to 2 P. M. There were beautiful views of the mountain through the breaking clouds. Birds seen were - Buzzard, Cal. Jay, Coast Jay, Flicker, 1 Brown Towhee, many Spurred Towhees, 2 Golden-crowned Sp., 2 Fox Sp., many Pine Siskins, Green-backed Goldfinch, Juncos (very few), Hutton Vireo, one Warbler (very yellow but could not identify it) Ruby-crowned Kinglet (one heard), Bush tits and Hermit Thrush. Jays, Sp. Towhees and Brown-tails and Bush tits seemed to be feeding on winged ants in the road.

Returned to Berkeley in late afternoon.

Oct. 11. Rained at night.

Oct. 13 - Allen Hummer in Mrs. Parsons garden [?]

Cold, crisp morning - Warm middle of day -

Oct. 14. Clear, crisp. Ruby-crowned Kinglet in oak near window. A number of Varied Thrushes in canyon, some very near house. Seen, many heard. Many H-c. Sp., Dot. Sp., Fox Sp. about the house. Mrs Wyeth reported Hermit Thrush.

Oct. 15. Clear, crisp. Warm in middle of day. Grass and weeds springing up - due to recent rains. Golden-cr. Kinglets and Juncos seen in N. Berkeley. Ruby-cr. Kinglet not common yet. No Hermit Thrush near house yet.

Oct. 16. Clear, crisp. Went thro' Claremont Hotel grounds. Found W. Flycatcher, Bl. Warbler and Yellow Warbler still present. Winter visitants seen were Townsend Warblers (many) Ruby-cr. Kinglets (many) Audubon Warblers, Golden-cr. Sparrows, Juncos and a Cooper Hawk. Permanent residents were Anna Hummer, Spotted Towhee, Wren-Tit, Bush-Tit, Sp. Towhee, Titmouse, Song Sp., Vigors Wren, Calif. Jay, Brown Towhee, Flicker, Black Phoebe, Wrentit, Anna Hummer.

Oct. 17 1 Golden-crowned Sp. came to food table.

Oct. 18. " " " " " " " "

several times. Had stripes indistinct - Hermit Thrush and Townsend Warbler seen from dining room window.

Oct. 1920. Berkeley.

Oct. 19. Two Hermit thrushes came to bathe at 5 P.M. 3 Golden-cr. Sp. (indistinct head stripes) came to Tank.

Oct. 20. Jennie broke right arm at elbow. Spent night and Oct. 21 at Alta Bates.

Oct. 22. Heard Hermit Thrush near house.

Oct. 23. Bird walk from College Ave. bridge east. Fair bird just beginning. Cedar waxwings, juncos, Ruby-cr. Kinglets, 1 Fox, 1 S.c. Sp., 2 Lt. Sp. Townsend Warbler, Nuttall's Woodpeckers. No summer visitors.

Saw 3 Varied Robins in early morning. At noon a Golden-crowned Sp. with band on left foot came to Tank. Blue-gray Gnatcatcher was what I had hitherto supposed was Lint of first year bird.

Golden-cr. Kinglets in oaks on Monrovia Rd.,

Oct. 24-30 Clear with more or less N. wind. Varied Robins numerous, also robins, perhaps because of plantings of Toyons berries which have good crop.

Red-tailed Hawks conspicuous for months

Nov. 6. Went to Golden Gate Park. Nothing unusual except large flocks of redwinged blackbirds (all females) in the Tules in Middle Lake. Large flock of Audubon Warblers also.

Nov. 1920

Nov. 6 (contin.) List of birds seen or heard: Eared Grebe, Blue-bill, Ruddy duck, Bald-pate, Mallard, Shoveller, Coot, Ring-bills, Calif. W. Gulls, Snail, fliers, Black Phoebe, Red T. Hawk, Nuttall Sp. Fox Sp. Song Sp. Sierra, Red-w. Blackb., Audubon W., Myrtle W., Yellow-throat, Chickadee, Juncos, Palm Tch., Hermit Thr. W. Robins, R-C. Kinglets, Anna H., Ant. Sp.

Nov. 7. Banded Fox Sp. Came to feeding table. Second time it has returned. Banded March 29, 1919.

Nov. 10. Rain.

Nov. 11. Rain soft. mild. Large aggregation of small birds in oaks at 8 a.m. Bush-tits, R-C. Kinglets (counted 61), Golden-cr. Kinglets (several) & Townsend Warblers.

Nov. 12. San Ana Hummers go thro' full pendulum flight. Juncos on feeding ground.

Nov. 13. Soft warm rain. 5 Fox Sparrows taking turns at feeding table most of the day. Also Thrashers, 1 Song Sp., 2 Brown Towhees (1 banded), several Golden-cr. Sp. (1 banded). The banded Fox Sp. seems to be insectivorous. One of the five seems larger, grayer also more belligerent. Perhaps 2 males. The banded Golden-cr. Sp. has indistinct stripes at side of head, and middle

Nov. 1920. Berkeley.

crown streaked. 1 Willow Goldfinch came to bathe.

Nov. 15. Anna's Hummer. 2 Sparrow, banded on the right foot came to the table. Head bands are more distinct than in the other banded bird. Thrasher comes to same perch constantly — a bare dead branch near ground — 10 ft. east of bird bath and 12-15 ft. east of table. Flies direct from this perch to table, or hops along ground till almost underneath then flies up. Took 9 peanuts cracked oat-meal and 13 toyon berries at one feeding.

Nov. 17. Rain.

Nov. 18 "

Nov. 19. Rain. Anna H. must have perched flight. Cedar Waxwings seen

Nov. 26. Rain again. Cedar Waxwings seen.

Nov. 27. Clear, warm. Went to Claremont Country Club. In addition to usual birds, saw 1 Tolmie Warbler. Watched it a full half hour, following it from about 4 shots near club house. Saw white eye lid & gray head and yellow breast. Flock of 20 Blue Birds flew over the canyon. Many Robins and Waxwings on Prospect.

Dec. 1920 — 1921 Jan.

Nov. 28. Flocks of Robins flying up the canyon.
Colder. Rain
Rain for several days.

Dec. 4. Clear, cold. Went to Lake Merritt
Saw Coot Ducks (many) Mallard Ducks (few)
Pintail (hundreds) Baldpates, Canvas backs
Blue bills, Golden-eyes (few), Buffle heads (few)
Shovellers (many). Pipits, robins, Cedar
Waxwings, Brewers Blackb. Song Sp. Mallard
Dat. & Golden-cr. Sp., Calif. Meadow-W. and
Ring billed Gulls

Dec. 7. Flock of juncos, titmouse, Towhead W.
1 Orange-cr. Warbler and R-c Kinglet came to
drinking fountain.
Banded H-c. Sparrows come constantly
to table.

Jan. 1. Open house for Cooper Club. Clear,
cold. All regular birds came. Very
few people. d.M.

January — Much rain interspersed with clear
cold days. Birds at feeding table constantly:
2 Song Sparrows, 5 Fox Sparrows.
6 H-c. Sparrows (2 banded)
2 Brown Towhees (1 banded)
3 San Francisco Towhees - only 1 adult male

1921. January.

2 Brown-tails, 2 Thrashers, several Calif. Blue Jays, 1 Hermit Thrush. The banded Fox Sparrow has not been seen for some time. Varied Robins come for water occasionally. Vagrant Brown come to table two or three times for suet. No rare birds. Titmice began singing last week of Jan. Also Thrashers which often come with mate(?).

Two Red-tailed Hawks were killed in hills Jan. 8 and left by road side. I dissected the stomach of one and found head parts of a cricket.

Jan. 15. Game Warden came.

Jan. 16. Gave talk on birds to group of boys at Mrs. Plehn's - Rain.

Feb. 7. Spent noon hour at Lake Merritt - between dentists. Pintails, Baldpates; Coots and a few Canvas-backs.

Warm. First bird of Argentine ants noted.

Feb. 8. Worked in garden.

Feb. 9. Worked in garden A.M. Took Jamieson Dr. Dan P.M.

Feb. 1921.

Feb. 10. Took Jamie to Golden Gate Park. Dense fog on bay. Warm in park. Many birds sing. ing. Anna's Hum. Song Sp. Virgo Wren. Lunch on island in Stow Lake. Squirrel ate from my pocket. Walked up Strawberry Hill, thru Underhill Jap. Tea Garden to Academy of Sciences Jap. Plum in bloom. Heard Virg. of Allen Hummingbird but could not see it. Birds seen: 2 Pied-billed Grebes, 2 Eared Grebes, Gulls. 6 Canada Geese (cannot be fed) Many Ruddy ducks some in full plumage. Many pairs of Mallard - one Ruffle-head. Coots, Quail, G.-f. Goldfinch, Mt. Sp., Pine Siskin, Eng. Spar. Flicker, Hutton Vireo. Cal. Warbler, Virgo Wren, R.-c. Kinglet, Chickadees, Bush-tits. Varied Thrush, Robins. Many W. Grebes on bay ~~40-50~~

Feb. 11. Warm. Heard bugg of Allen H. in N. Berkeley. Titmice in Pride over nesting box constantly. Some pairs of bush-tits separate from flocks. Flicker drumming and calling. Thrasher sings every morning.

Feb. 12. Dr. Grinnell brought U.C. Class to watch birds. All birds came except Varied and wrentit. Varied Thrush seen from window. Fog a.m. Warm.

Feb 1921. Berkeley.
Napa.

Feb. 13. Warm. Worked in garden.
Feb. 14 Cold - Rain.
Feb. 15. Clear. Heavy frost in morning
Feb. 16. Cold - Rain.
Feb. 17. Clear. A little warmer.
Feb. 18 Clear. Warmer. Allen Hummers seen.
Feb. 19. W. Grebes on bay. 1 ~~Robin minature~~ Glaucous-w. gull with boy in row following boat across bay. Several more at ferry.
Feb. 20. Foggy. Met in afternoon with School family & Miss Henderson in Oakland. Aviary contains about 140 birds, foreign finches, canaries &c, pair of button quail, 1 Lazuli bunting, 1 female Black-h. Grosbeak, 1 Junco. Rained at night.
Feb. 21 Clear. N.W. wind. Cool.
Feb. 22. Met by boat To Vallejo, cars to Napa, lunched in Napa cemetery returned to Napa and by boat to S.F. Warm - beautiful day. 400-600 Surf Scoters near Angel Island. On bay, Coly. Gull, Western and Glaucous-w. Gulls. Ring-bills and Bonapartes near Mare Island. A few Cormorants. Birds in the Cemetery at Napa: Robins, Bluebirds, Hermit Thrush, Linnet,

Feb 1921. Berkeley.

Brown Towhee, 4 Towhee (White-crowned), 4 Sp., Song Sp.,
Pileated Calif. Woodpecker, Willard Woodp.,
Titmouse (crested kind) Anna H., Rowacher -
Yellow Violets in bloom.

Feb. 23. Clear, warm day. Two thrushes were singing most of the morning. One Fox Sparrow stayed on table all the time while I cleaned the big window inside. Leeds in leaves up.

Feb. 24. Spring weather - Birds singing. Anna Hummer comes to Wild Currant next house constantly. Flicker drummed and called as he sat on nesting box near nest 1 door window.

Feb. 25 Saw a female Allen Hummer in N. Berkeley in the morning. In the afternoon in Strawberry Canyon I heard the buzz of the male Allen Hummer several times but did not see one. Trillium, Flowering Currant, Osoberry in bloom. Warm.

Feb. 26. Went up the canyon with Carol and Jamie - Allen Hummer heard.

Feb. 27. Fog. Cooler. Flock of 12 Band-tailed Pigeons flew over Mrs. Jastrow's house and very high toward Emery Tulah. Explored new road. Many shooting stars.

March 1921 - Berkeley

Feb. 28. Sharp-shinned Hawk came into trees near pool, skipping up the hill along the water pipes. Flew up to lower branches of oak tree then across to the next tree, remaining there ten to fifteen minutes. Called birds flew as he came.

Mar. 2. Children from Miss Place's school brought a Sharp-shinned Hawk for me to stuff. They said it flew very suddenly against the casing of the door and fell inside dead. ~~Forms and~~ Cere of bill light bright green. tarsus paler yel. gr. ~~eyes~~ ~~Body-colored~~. Iris bright yellow.

March 3. Made skin of Sh. sh. hawk. Skull very broad between eyes. Lachrymal bone projecting to side over eye. Tongue blunt, thicker at either side.

March 4. Cloudy - Rained a little. Saw a Blue jay tear bark from a bare tree and take it high into a pine tree in N. Berkeley - House wren at Mrs. Gregg's.

March 5. Showers

March 7. Cloudy - cooler.

March 9. Great flocks of Robins on Campus. Also Cedar Waxwings. Found a Townsend Solitaire on the Right of Way between

March 1921 Berkeley

Morning and Prospect. It was feeding on Ceanothus blooms. It sang a whisper song in a tree very near me. I thought at first that it was a Purple finch but as I listened it seemed different. After finding it, it continued singing at intervals for half an hour stopping in different trees as I went up the hill, lighting on the electric wire over the street and finally disappearing over Mrs. Torreys house. Saw and heard my first Lutescent warbler for the year. Saw a strange flycatcher which I could not identify. Checked over Library (U.C.)

March 10. Mart by etc. Quails in breeding plumage. Saw Western Grebe and Eastern Grebe. Townsend Solitaire still feeding in Ceanothus bush. Lutescent Warbler seen again. Cold.

March 11. Golden-crowned Kinglets. Varied Thrushes seen. Allen Hummers abundant. Horned Larks in N. Berkeley again.

March 12. 3 Towns. Warmer.

March 13 - Lutescent warbler singing in the garden. Showers.

March 1926. Bamberg.

March 14. Cloudy

March 15. Foggy morning. Warm afternoon
Took motion pictures and worked in garden.

March 16. Went to Bamberg with Mrs. Kelly
and Mrs. Schlesinger. Wahnday. Saw
40 species - 2000 (about) individuals
Glaucous-winged gulls - 12+.
Calif. Gulls - 8+.
Baldpates - 10-
Green-winged Teal 300-400
Cinnamon Teal 4
Shovellers - 50+.
Pintails - 300-400.
Scaup. 10+
Ruddy Ducks - 60?
Bittern 1-
Great Blue Herons 4
Black-crowned Night Herons 6. Snowy Egrets 6
Coots - 600?
Wilson Snipe - 1.
Avocets - 70
Least Sandpipers 12
Red-backed Sandpipers 6+
Western Sandpipers 20+
Yellow Legs - 8
Killdeer 30.

Turkey Vulture 1
Marsh Hawk 2
W. Red Tailed Hawk 2
Sparrow Hawk 2
Pigeon 1
Red-winged Bl. Birds
Meadow Larks 40
Brewer Bl. Bird 50
House Finch 50
Bryant Sparrow 20
Lutes Sparrow 6
S.C. Song Sparrow 20
Salt M. Song Sp. 8
Barn Swallow 4
Tree Swallow 1
Pipits 200-400
Turkey Vulture 8
Robin 15
Varied T. 1

Wild flowers abundant -

March 1921

March 18. House Wren singing at Mrs Gregory's. Many Ruby-crowned Kinglets singing. Bush tits building nest in fruit tree 15-20 ft from ground. Lawrence Goldfinch Clear.

March 19. Took Jamie to see Miss Lawrence. Dove rested for a few hours in my hand. Skinned a Rufous Hummer killed by flying window. Brought to me by Patty Woodhouse - Clear

March 20. Cooper Club field trip to Golden Gate Park. Overcast. Saw 30 species hundreds of Allen Hummers and fantastically tame Wrens & Bewicks in Conservatory.

March 21. Rain. Jamie sick. N. house Wrens singing near house. Also Fox Sparrow and Townsend Warbler.

March 22. Rain in morning

March 23. Clear.

March 24 Sunny A.M. Fog P.M. Clear evening

March 25. Clear. Light North wind. Warm in afternoon. House Wren singing constantly near house. Intermediate Sparrow still here.

March 26 Clear. N.W. wind. Went to Mills College in afternoon. Very few birds

April 1921

Sat during afternoon - 4 song sparrows, 2 Rufous Sparrows, a few English Sparrows, 1 Black Phoebe, 3 Finches, 2 Meadow Larks. Heard 1 San Francisco Towhee

March 27. Clear. Warm. Light N. W wind.

March 28. Warbling Vireo and Related Warbler heard at 37 Mosswood Rd.

March 29. Warbling Vireo and Related Warbler heard again.

April 1. Heard 3 W. Flycatchers. Towhee building nest in bush in back yard. Two Oregons. Hole 2 feet from ground running straight down thru

Birds carrying cotton -

April 2. Townsend Warbler singing - Mills College - A Childrens party held by the Collegiate Alumnae. 3 boys asked to take children to see birds. Very few birds - Killdeer & meadow lark, Western Flycatcher, Warbling Vireo and Towhee.

April 4. Cold North wind - very cold.

April 5. Warmer. House Wren about house all the time. Bubbling over with song.

Baumberg. 1925. Berkeley.

Apr. 6. Warmer. Apr. 7. Cool, clear. S. Warmer
Apr. 9. Went to Art Class at Arts & Crafts School
Sketched on campus. Saw Hermit Thrush, Robin
Audubon W. Golden-cr. Sparrow moulting.
Apr. 10. Fox Sp., Varied Thrush, Ruby-cr. Kinglet &
Hermit Thrush still here. Took lunch into
hills. Gray day but not cold.
Apr. 11. Townie Warbler at end of Mosswood Rd. 2 P.M.
Apr. 12. Went to Baumberg in afternoon with Mrs.
Rengass, Mrs. Kelly & Miss Beaman. Saw 35
species including 6 Avocets, 30 Yellow-legs,
12 Stilts, 1 Black-B. Plover, 300 dowitchers,
1 Bittern. Rained at night. Wonderful wild
flowers on the marshes.
Apr. 13. Cold, N.W. Wind. Wrote report for Bird Lore
Apr. 14. Cold N. Wind. Frost. Hoskins boys brought
dead Brown Towhee.
Apr. 15. High fog in A.M. Slightly warmer.
Saw Willow Woodpecker. Fox Sp., Ruby-cr. K.,
Audubon Warbler. Skinned Brown Towhee.
Nests - 1. Allen Hummer under lee of wooden
fence partly tipped over. Olive bird flew
as we came near. Other bird nearly ready
to fly. Showed it to Children in Mrs. Elliot's
school. 2. Allen Hummer's nest under
Mrs. Noyes's porch as last year.

april 1921.

Apr. 16. Went to Art School - Rain 9:30 a.m. till
Apr. 17. a.m. Grosbeak singing near
dairy in early morning.
Apr. 17. Clears. Beautiful day. Walked to
Faculty Glade. Only winter birds seen
were Golden-crowned Sparrows (some
moulting, some in breeding plumage)
Chickadee. ~~Fox~~ Sp. still on my table.
Grosbeak seen - singing. Small
flock of Cedar Waxwings. Heard
Creeper near College Art. bridge.
Apr. 18 - Banded Golden-cr. Sparrows moulting.
No ~~Fox~~ Sparrows seen.
Apr. 19. Chuck-chuck of Hermit Thrush heard
at dawn. No ~~Fox~~ Sparrows.
Apr. 20. Warmer. Fog a.m. Whistle of
Quail on guard heard first time.
Towhee Warbler heard again.
22. Saw flock 8-10 quail. Hermit Thrush in
garden.
Apr. 23. Cold N.W. wind. Sketched on campus.
Apr. 24. Cold wind. Walked up canyon with
Jamie p.m. Grosbeak singing. Rain
in canyon at sunset.
Apr. 25 Warmer. Went to S.F. p.m. Many
shore birds along pier. Sandpipers.

April. 1921. Berkeley.

Apr. 25 (contin.) Dominicans, Many Bonaparte Gulls. Cormorants identified from train - Chas large gulls, pink feet, back slaty gray.
Apr. 26. Went with Mrs. Nagao to Claremont region. Many Virgos seen. Heard 1 Tolmie Warbler. Saw 1 Redtail - cr. Sp., Sharp-shined Hawk.
Apr. 27. N. Wind. Hot. At 3:45 a.m. heard Lazuli Bunting sing from near dairy. (Just arrived 2:11)
Apr. 28. Hot.
Apr. 29. Warm, beautiful day. Saw flock of 6-8 Cedar Waxwings. Golden-crowned Sparrows, bordered on left foot, still here. Nest almost finished. Gold band not wide, black wider. Two White-crowned Sparrows bathing - (migrants?) Not gray enough to be intermed. Lawrence Goldfinch seen in La Loma.
Apr. 30. Heard Lazuli Bunting. Robins and juncos on campus. Cool - pleasant.
May 1. Cold. South wind - Rain p.m.
May 2. 1 Russet-backed Thrush seen and heard. Frost in early a.m. Cool, clear.
May 3. Lazuli Bunting in Mrs Jackson's garden. Frost early a.m. Cool.

May. 1921. Lafayette -

May 4. Olive-sided Flycatcher in canyon. 1 calling pu-pip-pip in early morning.

May 5. La Loma - Saw 2 Olive sided Flyc 1 Wood pewee, 1 Lazuli Bunting, 2 Chipping Sparrows, 2 Robins, Juncos - several pairs, 2 Lawrence Goldfinches, 1 Bullock Oriole. 1 Yellow Warbler seen at Heart + ~~Hfor~~ Euclid. 2 Naked young in Allen Nuttall's nest on Wood house (at front door) Cloudy.

Young Bush-tits in nest at Greenwood School Calling busily. Children watched both parents feeding -

May 6 - Met with party of ladies to Lafayette. Found Quail, Cal. Jay, Willow Woodpecker, Calif. Woodp., Meadow Lark, Bullock Oriole, Brewers Blackbird, Song Sp., Chipping Sparrow, Lazuli Bunting, Brown Towhee, Spurred Towhee, Yellow Warbler, Pileolated Warbler, Lutescent Warbler, Long-tailed Chat, Mourning Dove, W. Flycatcher, Wood Pewee, Bank Swallow, Tree Swallow, Violet-green Swallow (?), Blue Bird, Crowned, Russet backed Thrush, Wren-tit, Bush-tit, Titmouse, Warbling Vireo and nest (building) Anna H., and Allen H. with nest just begun -

May. 1921 Boulder Creek.

May 6. (contin.) Gruenbacked Goldfinch and Willow Goldfinch.
May 7. Cloudy a.m. Worked at art school
May 8. Cloudy.
May 9 Cloudy morning.
May 10. Sunny morning.
May 11. Commencement Day. Warm - Sh. Sh. Hawk and Cooper Hawk seen.
May 12. Robin singing freely in canyon at 4:15 a.m. Birds began singing at 3:45 a.m. Song Sp. first, then Rufous-crowned Warbler, Hermit Thrush, Swainson's Thrush (call, no song yet), Dan Fran. Towhee, Brown T.
May 13. Skipped Pileolated Warbler for Stewart's Adult male - full plumage. Flew against window.
May 14. Went to Boulder Creek. Pleasant day.
May 15. Cool, partly cloudy a.m. Gt. Horned Owl heard last night - Found during day - Kingfisher, Flicker, Olive-sided Flycatcher, W. Wood Pewee, Western Flycatcher, Calif. Jay, Coast Jay, Brewer Blackb., Purple Finch, Green-b. Goldfinch, Pine Siskin, Junco, Song Sp., Sp. Towhee, Calif. Towhee, Brookers, Lazuli Bunting, Cliff Swallow, Warbling Vireo, Lutescent Warbler, Yellow Warbler, Black-thr.

May. 1921. Boulder Creek.

Gray Warbler (4), Pileolated warbler, Creeper, Chickadee, Wren-tit, Bush-tit, Russet-backed Thrush, Red-tailed Hawk, Buzzard, Black Phoebe, Mourning Dove, Black-cr-Night Heron.
Season farther advanced than last year (due to warm weather in Feb.) Lilac (blue) past its prime, azaleas well out, blue lupine in full bloom, yellow just beginning. Russet-b. Thrush sang at dawn. Did not hear mysterious bird of last year.

May 16. Cool. Rained at night.
17. Light rain.
18. Cloudy - warmer.
19. Rain a.m. Cloudy all day. Heard mysteriously bird of last year at 5 a.m.
20. Heard mysteriously bird again at 5 a.m.
21. Allen Hummer feeding young out of nest. Saw Chipping Sparrows. Rained hard all p.m.
22. Found Lutescent Warblers nest, four young nearly grown. Dwarf in garden. Yellow-throated Fly catcher. Warm.
23. Cloudy all day. sick. Heard mysteriously bird at 4 p.m. when it was very cloudy

May. 1921. Boulder Creek.

May 24 Warmer, Clear most of the day- Carsin Vireo came thro' garden. Young gone from ~~Vireo's nest~~ Lutescent Warbler's nest. James heard Poor Will in evening.

May 25. Warm - Clear all day. Heard mystery bird at 3:45 a.m. Carsin Vireo very prominent.

May 26 Very warm. Had supper by the river.

May 27. Heard mystery bird with loud high note very early. A little later heard similar strain in higher pitch (violet green swallow?) - all before dawn.

May 28. Cloudy - Sprinkled a little. Mrs. Ferguson and Elizabeth came Mrs. Grant with them to get Cancer-root. Heard Hutton Vireo and Virginia Warbler. In afternoon drove with them to Santa Cruz - very bad detour through sandy hills - Came back on train.

May 29. Heavy rain all a.m. Walked to Fairmount in late p.m. Saw Wilson's Warbler, Townsend's Solitaire at top. Violet-gr. Swallows near station. Water Ouzel at railroad bridge and Calif. Woodpeckers in two places.

May - June 1921 Boulder Creek.

May 30. Cloudy but no rain. Walked along Alta Via a.m. Mr.

May 31. Warm. Three Cliff Swallows nests on building next to wood yard where there were dozens last year. Persecuted by boys last summer.

June 1. Went into sand-hill country which we passed through on return to Santa Cruz. Vegetation very interesting. Large Yellow pines, Rubber Knobb-cone pines (many of latter burned but with cones still clinging) many desert flowers - buck brush, Ceanothus, manzanita, lupines.

Followed up a low sandy ridge. As we neared the top, began to hear the notes of the Mockingbird very near by. Soon found it was the W. Purple Martin. Several pairs were nesting in a dead Yellow Pine at the top of the ridge. A pair of Pygmy Nuthatches nested in the hole at the top of the tree and a pair of Bluebirds seemed interested in the lowest hole. Other birds seen in the region were:

June. 1921. Boulder Creek. (Sand Hill)

June 1 (contin.) Wren-tits, Virgo wrens, Bush-tits, Calif. Woodp., Ash-throated Flycatcher, Spurred Towhee, Thrasher, Black-thr. Gray Warbler, Hutton Vireo, Calif. Jay, Warbling Vireo, Flicker, Grosbeak, Russet-b. Thrush, Purple Finch, Green & Goldfinch, Olive-sided Flycatcher, Pine Siskin, Cabanis Woodp., Chipping Sp., Quail, W. Wood Pewee, Anna Hummer, Violet Green Swallow. Of these, the thrush, grosbeak, Olive-sided Fly. were in the redwood region where it touches the foot of the sandy hills.

June 2. Two Red-Tails Hawks flew over about 3:30 p.m. - Calling loudly.

June 3. Went out at 5:20 a.m. & took bird count on the Barker place. Creek West side of river. Warm.

June 4. Heard W. Martin at 4:15 A.M. Olive-sided and W. Flycatcher already calling about once a second. Went to Barker place at 4:45 a.m. - E. side of river to bare tree at top of hill. Took afternoon train to Ben Lomond. Had supper there and walked home. Saw Yellow Warbler and Pacific Green Heron.

June. 1921 Boulder Creek

June 5. Walked up to Mildred where we had dinner at Mrs. Weeks. Met Hirs' Brindlecom's place on return trip. Here I saw and heard a House Wren - the only one I have heard in the San Lorenzo Valley. Saw Hut Willow Woodp. in Boulder. Hot.
June 6. Hot - North wind. Saw Anthony Green Heron fly over Barbers place.
June 7. Cooler. Finished Barber Canon.
June 8. Walked up to Walters' Cherry Orchard. Saw Western Tanager in same Redwoods where I saw him last year. Jones head Hermit Thrush. Young Creepers seen. Beautiful weather. Warm.
June 9. Hot. Went rowing at Ben Lomond. Saw Anthony Green Heron again
June 10. Hot.
June 11. A little cooler. Met evening.
June 12. Warm - Pleasant.
June 13. A beautiful day. After feeding the birds, I went into the Johnson garden where I saw the female Black-throated Gray Warbler. Call note - a low pitched voice-less "chip" like water dropping on a board. Could not find nest. Returned to Berkeley in afternoon.

June. 1921. Berkeley.

June 14. Young wrens in nesting box on house very noisy - Both parents very busy feeding. Lutescent Warblers singing.

June 15. Weather partly cloudy - Cool most mornings. Watched wrens feeding from 10:20 - 11:20.

Food given -

Wooly bear 1, Lady bugs - 5, Crane flies large beetles 5, small beetles 4, wire flies 2, lace wings 1. leaf hopper 1, Crickets 5, grasshoppers 1, 1 large beetle delivered, then removed. butterfly 1, moth 1, millipede 1, grass 1. excreta removed 6.

At 3 p.m. banded the 2 parents and eight young.

~~Fourth~~. - Fed from dawn to late p.m.

June 16. Elizabeth Ferguson's wedding - Spent day in bed. Heard very few birds in early morning. Only 1 thrush far up canyon. Late heard Olive-sided Fly catcher call "Pipsip" a few times

June 17. Wrens fed. - James and Lois fly after 2 p.m. Edith left for Yosemite

June 18. Warm - Resting most of the time but miserable.

June. 1921 Berkeley.

June 19. Warm. June 20. Warm
June 21. Sick all day - Hot. Hot all day and all night. Cool at night.
June 22. Head-ache - Wind again. Foggy at Mrs. Litts' next.
June 23. Cooler. Clear. Fog.
June 24 Thursday. Saw Lily of Foggy. Young bird (Wrentit) again. Fog. Lillian & Walter gathered small moths on bare walls within six feet of where Jamie was playing Orange crown warbler.
June 25 Foggy morning. Edith came back from Yosemite.
June 26. Cool. Partly foggy.
June 27. Stayed in bed most of day - Mrs Litts came to see.
June 28 - Cool.
June 29. Cool. Have heard swallows frequently since I came home. Tonight as I lay on the porch I saw at 7:30 p.m. a flock of 30-40 which flew in close formation up the bay.
July 1. Had my eyes tested. Examined by Dr. MacLean. Hot.

July. 1921. Berkeley.

July 2. Examined thro' fluoroscope and X-ray pictures taken of abdomen. Hot. Buckham house and Lewis house burned and fire escaped up canny gulch.

July 3. Made X-rays at 8:30 a.m. Hillfire Hot.

July 4. Cooler. Fog in a.m. Felling a little better.

July 5. Hot. Dr. MacLean showed me pictures Pronounced my trouble "gastroptosis".

July 6. Hot, hotter, hottest.

July 7. Hot.

July 8. Hot glasses. Made 26 glasses grape Family of rubins came into table at dusk.

July 9. Went to Belvedere in late p.m. with Mrs. Paton. Had beautiful walk around south end of island at night.

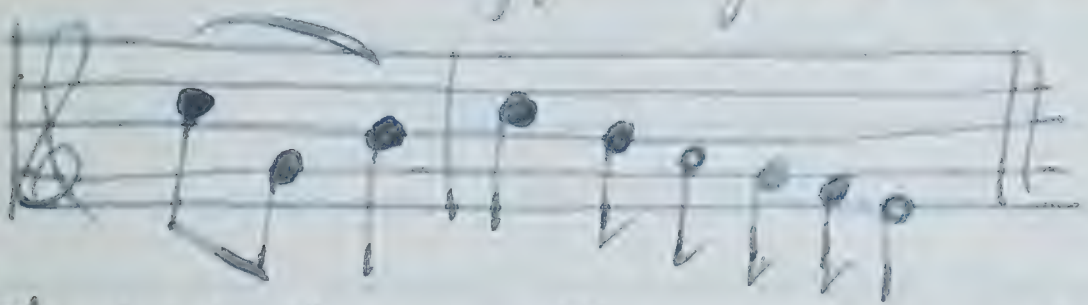
July 10. Warm. Pleasant. Mrs. Edw. Holmes took me for a walk in the morning. Looked into many lovely gardens. Mr. H. drove to Sam Rafael in p.m. Returned to Berkeley in evening

Birds in Belvedere:

Western and Glaucous-winged Gulls, Cormorant. Calif. Jay, Quail.

Anna Hummer, Allen Hummer, W. Flycatcher, Nuttall Sparrow, Chickadees, Vigor's Wren, Rush-tits, Brown Towhee, S.F. Towhee, Song Sp. Linnets.

All the songs of Nuttall Sparrow heard following days are different from Bewicks Wrentits and different from beach birds.



The first three notes a very sweet drawn-in whistle. Have heard this type somewhere else.

July 11. Busy getting last things ready before going to bed for a month.

July 12. Mrs Potter came to take care of me. Went to bed at 2 P.M.

Measurements - Chest 31 in - Waist 27 in
Angle 1st. ribs - 3 in below sternum 2½ in.
Weight 113 lb.

July 13. Eating 2 qts milk, ½ pt. cream in additions to three meals. Foot of bed raised 3 in. Pleasant weather.

July 14. Foggy early A.M. Pleasant, warm.

July 18. Chilly foggy. Heard Wrentit singing.

July 19. Beautiful day.

July. 1921 Berkeley, C.C.

July 20. Beautiful day - Writing article for Chronicle.
July 21. " " Writing steadily.
Young jays grown. Parents trying to drive them away.
July 22. Low fog. Thrasher building near house this morning and evening. Young probably grown as they have not been near house much before.
July 23. Olive-sided Flycatcher in canyon. Large flock of bush-tits. Alarm note of.
July 27. Cool. Young S.F. Towhees reported by Miss Yetter to be feeding on table.
July 28. Cool.
Summer visitants still here: Thrush, Towhee, Olive-sided Flycatcher, W. Flycatcher.
July 29. Cool. Foggy a.m.
July 30. Cool.
July 31. Cool. "2 Young S.F. Towhees on table feeding themselves except parents fed potato." - Miss Yetter.
Aug. 1. Cool. Pleasant
Aug. 2. Miss Yetter left. Young in the three weeks 1½ in chest, 4 in waist, 13/4 in angle. Feeling fine. Exercising every day.

Aug. 3. Warm & perfect. Edith installed as nurse -
Aug. 4. " "
Aug. 5. " "
Aug 6 Cold fog. Family of young Wren- take out of nest. Call pip- peep - peep - 3-6 times
Aug. 7. Foggy. Sat up - first time. Weak.
Aug. 8. Foggy - Sat up part of day -
Aug. 9. Fog early a.m. Went down stairs! Beautiful day. Mounting Warblers on table.
Aug. 10. Clear in afternoon. Made jelly - Young S. F. Towhees and young Song Sparrows on table all the time
Aug. 11. Foggy. Vigor Wren sang 5 to 10 min. under my window. Heard Pileolated W-
Aug. 12. Dr. McLean took me down to Telegraph Ave. Weight 133½ lbs. Gain 20 lb.
Aug. 13. Heard Grosbeak and Russet-backed Thrush at dawn.
Aug. 14. Heard Russet-backed Thrush.
Aug. 15. W. Flycatcher at pool. Heard House Wren. Warm. Up to breakfast First time.
Aug. 16. Warm -
Aug. 17. Saw P. il. Warbler. Heard Robin from house.

August 1921. Berkeley.

Aug. 19. Russet-backed Thrush heard.
Aug. 20. Heard a Kingfisher in canyon.
Aug. 21. Beautiful day. Large flock of finch came to drink. Vigors Wren singing.
Aug. 22. Beautiful day. Young S.F. Towhee showing chestnut. Spots disappeared but head still rusty.
Aug. 23. Beautiful day. Adult S.F. Towhee has finished moult.
Aug. 24. Saw a Barn Swallow as it flew just above trees on Whitney place. Came from across canyon. Lit north. Disappeared around the hill at the south. Calling. Tail forked.
Aug. 25. W. Flycatcher in garden. Very tame, silent.
Aug. 26. Beautiful weather. Purple finch singing beautifully.
Aug. 27. Beautiful weather. Purple finch again. Told to go to Freshman Reception. Too much to attend.
Aug. 28. Beautiful day. Adult Sparrow Hawk fighting off six jays in vicinity of Mosswood Road.

August-Sept. 1921. Berkeley -

August 29. Beautiful day.
Sept. 1. Showers.
Sept. 2. Breezy. Robin at dawn and at sunset. Hum.
Sept. 3. Thrasher singing. Robin came in to roost.
Sept. 4. Very warm. Went up in woods in a.m. Heard Towhees. Sick afternoon and evening. Robin to roost
Sept. 5 Robin at dawn. Thrasher and Vigors Wren singing. Heard Pileolated Warbler call. Sunset.
Sept. 6. Thrasher singing.
Sept. 7. Thrasher imitated Postman's whistle. Jamie heard Kingfisher in early a.m.
Sept. 8. Mrs. Ferguson took me to Oakland to see Dr. Wheelock. Weight 138 lbs. - 5 lbs. gained since I got up.
Sept. 10. Cold. Foggy. wind.
Sept. 11 Foggy a.m. Sunny p.m.
Sept. 12. Ellsworth brought a Rosyret. Looked Through but it flew past before she came to door. Exhausted from migration?

September 1921. Berkeley.

Sept. 13. Titmice singing.
Sept. 14. " " " Warbler.
Sept. 15 Warm.
Sept. 17. Rain p.m.
Sept. 18. Rain. Walked to top of hill. First time since was sick. Very beautiful.
Sept. 19. Rain - cloudy a.m.
Sept. 20. Warm. Went to dentist. Walked home without distress.
Sept. 21. Two titmice singing on Piedmont Road. W. Fly catcher seen and heard. Practiced flute against Mrs. Parson's method.
Sept. 22. Beautiful day. Miss Fitts dress greeting. Went to C. C. C. in evening. Several members of C. C. C. spoke of having seen many warblers.
Sept. 23. Robin at dawn.
Sept. 24. Warm. Many sparrows - probably some of the Intermediate
Sept. 25. Went to beach with James and Jeanie Warm. Lay in sand. many phalaropes and sandpipers on bay. Heard curlew, many Bonaparte Gulls, Thrasher on hill during
6-8 a.m. 4-6 p.m.

Sept. 26. Hot - 90°.
Sept. 27. Hotter 97°
Sept. 28. Hottest. 1 Golden-crowned Sparrow at drinking pool - Banded Br. Towhee on table. Call note at dusk sounded like Fox Sparrow - Have seen yet. Many Robins in pine trees at dusk.
Sept. 29. 1 Golden-crowned Sp. on table and took bath. At 2:30 p.m. 1 W. Gnatcatcher and 2 Audubon Warblers in bath here at S.E. corner of house. Gnatcatcher catching insects - Exceedingly quick
Sept. 30. Cool - Cloudy.
Oct. 1. Intermediate Sparrow singing. Robin at dawn. Fox Sparrow sang - James taken sick — terrible pain in back. Went to hospital for cast. Very bad night.
Oct. 2. Golden crowned Sparrow sang wonderfully at dawn. Fox Sparrow sang also.

A night of pain and anguish
But with the awakening dawn
Three golden notes down dropping —
The Alaskan sparrow's song.

October 1921. Berkeley.

Oct. 3. Jones free from pain but weak and uncomfortable. Sat up a little while.
Oct. 4. Rained a little.
Oct. 5. Cloudy Heard Ruby-crowned Kinglet.
Oct. 7. Allen Hummers still here. (?)
Oct 8. Beautiful day. Saw a Sharp-shinned Hawk
Oct. 9. Saw one Ruby-crowned Kinglet with a flock of Bush-tits. Later in "Sunny Gulch" saw Ruby-cr. Kinglet, Juncos, Golden-crowned Sparrows and one Audubon Warbler.
Oct. 12. Cloudy. Fox Sparrow sang many times at dawn. Oct. 14. Rain.
Oct. 15. Went to Alameda with Mrs. Wood and Children. Many Dowitchers, Willets, Godwits, Black-bellied Plover, Forster Terns and Sandpipers. Clear.
Oct. 16. Warm.
Oct. 17. Beautiful day. Saw Townsend Warbler.
Oct. 18. Hermit Thrush near house at dawn. Golden-cr. Sp. singing frequently. Beautiful day.
Oct. 20. Large flock of geese flew over at 9:30 P.M. Loud honking.
Oct. 21. Golden-crowned Sparrows and Intermediate Sparrows abundant. Feeding in worms in the oak trees. Fox Sparrow at pool.

Oct-Nov. 1921 Berkeley.

Oct. 22. Rain p.m. Went to Mrs. Woods a.m. Waldos Pine risking drinking-

Oct. 25 Banded Golden-crowned Sparrow (left foot) Came to table. Little W. Winter Wren in garden. Have heard it for several days.

Oct. 28. Large flock of Intermediate Sparrows came to bath.

Oct 30. Warm. Yes. Sonny got Hermit Thrush - killed by flying against window.

Oct. 31. Mrs. Rieber brought a Red-shafted Flicker which he caught in the house. Said it had flown down the chimney. I banded it, then released it. Intermediate Sparrows came to bath. Two Fox Sparrows - one on table. Banded Golden-crowned Sparrow (left foot) on table.

Nov. 1. Anna Hummer and "high pitched" six times in succession. Warm.

Nov. 2. Very warm.

Nov. 3. A Sharp-shinned Hawk came into a tree next to one where a large flock of bush-tits was feeding. Alarm note very loud - but flock did not fly. I clapped my hands and the Hawk flew. Blue-birds feed me.

November 1921. Berkeley.

Nov. 4. Warm. Beautiful day.
Nov. 5. Warm. Many birds called for water. Most of them Golden or White-crowned Sparrows.
Nov. 6. Warm.
Nov. 7. Heavy fog. Nov. 8. Foggy.
Nov. 9. Warm. Nov. 10. Warm
Nov. 12. Warm Nov. 13. Foggy a.m.
Nov. 14 Foggy. Nov. 15. Cold.
Nov. 16. Frost. Nov. 17. Frost. Nov. 18. Frost.
Nov. 19 Cold. Birds come more regularly for food and water.
Nov. 20. Foggy a.m. At once following birds came for water: Flicker, Blue Jay, Calif. Thrasher Brown Towhee, 2 Intermediate Sparrows and large flock of Quail. Very dry.
Nov. 21. Warmer - Cloudy with rain p.m.
Nov. 22. Rain a.m. Have heard W. Winter Wren every day this month.
Nov. 24. Thanksgiving Day. When I was basting the turkey, I heard distress calls. As soon as possible I went out to investigate. Found a Sh-Sh. Hawk perched on water tank, flying up from ground as I came out. After a minute it flew down to ground again when I saw a

Nov - Dec. 1921. Berkeley.

Thrasher caught under a bush. As I turned to get something to throw, Hitchcock went after the thrasher. I threw, the hawk went under the bushes into the woods. The thrasher escaped up the hill. I followed the hawk but lost sight of it. When I returned, Hitchcock was on the ground in the same place looking about. On examination I found several small feathers from the thrasher on the ground between the feeding table and the bush and rather under the bush. (Skeleton found many yrs. later under telephone pole)

Rained hard in the afternoon.

Nov. 27 - Heavy rain.

Nov. 28. Clear - beautiful. Light north wind.

Nov. 29. Cloudy and rain. Finches came for water.

Nov. 30. Dense fog.

Dec. 1. Rain till late p.m.

Dec. 2. Clear. North wind. High wind at night. James put on plaster cast with prospect of wearing it 3 yrs.

Dec. 3. Clear. Warm. High wind at night.

Dec. 4. Clear. warm. no birds on feeder. Mr. Mitchell seen still about.

Dec 1921 Berkeley

Dec. 5. Birds came in at 10 a.m.
2 Brown Towhees – one banded
3 Golden-c. Sp. – one banded
3 Fox Sparrows – "
1 Flicker
1 Hermit Thrush
2 Wren-tits
1 Thrasher
4 Blue Jays (Calif.)
2 quail.

Dec. 6. Clear Cold. Flicker came for water.

Dec. 7. Foggy. Very cold all day.

Dec. 8. Cold, foggy. Two White-throated Sparrows were seen on the ground near the pool at 8 a.m.

Dec. 9. Warmer. Fog a.m.

Dec. 10. Warmer – no fog.

Dec. 11. Went to Golden Gate Park with Aud. Assoc.
Horned Grebe, Eared Grebe, Pied-billed Grebe, Glaucous-w. Gull, Ring-billed Gull, Calif. Gull, Mallard, Baldpate, Shoveller, Lesser Scaup, Buffle-Head, White-w. Scoter, Surf Scoter (?) (on Spreckles Lake) Ruddy Duck (one in full plumage) Coot, Calif. Quail (2 large flocks) Kingfisher (several) Flickers (2).

Dec. 1921 Berkeley.

Anna Hummers (several. One did pendulum 9 times in succession, 6.2. 9 whistles), Black Phoebe, Brewer Blackbirds (2), Calif. Purple Finch (1), Russet Rufous Sparrows (many) Intermediate Sp. (many), Golden Cr. Sparrows (many). Song Sparrows (many S.F. Towhees (3), Hutton Vireo 1, Audubon warbler, Yellow throat, Oregon Junco, Chickadee, Bush tits, Ruby-cr. Kinglets. Hermit Thrush, Robin (2)

Dec. 12 Trip to Lake Merritt - Thousands of ducks in following order of abundance - Pintails, Bald Pates, Ruddy D., Canvas backs, Shovellers, Mallard (15 pr.), 2 Ross Snow Geese, Gulls - Glaucous-w., Calif., Ringbills, Herring (1), Pied-bills Grebes, Brewer Blackbirds, Finches and Sparrows.

Dec. 14. White-throated Sparrows (2) come in with other birds every day.

Dec. 15. Hermit Thrush comes for Toyon berries often. W. Winter Wren heard often every day - call note only.

Dec. 19. Birds come in greater numbers than earlier this season but not as many as in former years. Rain.

Dec. 20 - Rain.

Dec. Berkeley. 1921.

Dec. 21. Rain p.m.

Dec. 22. White-throated Sparrow came on to perch on feeding table. Three kinglets (r.c.) came into bush next to drinking fountain. One with flaming crown drove other two away.

Dec. 23. Rain.

Dec. 24. Storm. High S.W. wind at night.

Dec. 25. Stormy. " " " that did some damage. Protected here.

Dec. 26. Stormy.

Dec. 27. Clear. Went to S.F. & lunched and afterwards to beach. Very clear. Beach had been swept clean by storm of past days. Walked from Cliff house to Ingleside - saw only 2 Pac. Fulmars 1 gull, 1 cormorant dead on beach - none of them fresh specimens.

Dec. 28. Rain & wind again.

Dec. 29. Rain.

Dec. 30. Clear. White-throated Sparrows came to perch.

January. 1922 Berkeley.

Jan. 1. Rain a.m. Cold.
Jan. 3. Mild.
Jan. 4. Cold - stormy. Spent day in S.F.
Jan. 5. Heavy frost a.m. Jan. 6 rain.
Jan. 9. Busy dressmaking. Birds take all food put out.
Jan. 10. Steller jay came to table.
Jan. 16. White-throated Sparrow comes many times each day for food. At home on table.
Jan. 17. Cold night.
Jan. 18. Very cold.
Jan. 19. ½ in. ice on bird fountains. Jamie broke ice with hatchet about 9:30 a.m. Frozen over again by noon.
Jan. 20. Very cold. Ice lasted all day.
Jan. 21. Went to city for dinner. Very cold still. Set Mr. Kirkes trap for bird banding.
Jan. 23. Used trap in afternoon. Bands placed:
51976 - Fox Sparrow.
51977. Santa Cruz Song Sparrows
Jan. 24. Warmer. W. Winter Wren still calling daily near house.
Jan. 25. Bands placed: 51978 - White thr. Sparrow
51979 - Fox Sparrow
Return 49004 - Golden-crowned Sparrow
Beginning of Starling fight.

January 1922. Berkeley.

Jan. 28 Cold rain p.m.

Jan. 29- Snowed all day. 8 in. recorded at the University - 2 ft. on Grizzly Peak. Several miles of snow fields on trail to Lake. Birds scratching in it, eager for food.

Jan. 30. Hills white to Piedmont Ave. Blake roofs covered. Beyond that snow fell of yesterday but melted. Mr. Sloan came to take pictures of the birds.

Jan. 31. Still cold. Snow still in patches about house. Hills white above Big C. In morning but melting rapidly. Rained during night.

Feb. 1. Cold with deep snow still on ridges.

Feb. 2. Cold.

Feb. 3 Snow still on ridges - Cold.

Feb. 4. Dr Grinnell brought his class to watch the birds from the window - Saw: Calif. Thrasher, Calif. Jay, Wren-tit, Ruby-crowned Kinglet, S. F. Towhee, Fox Sparrow, Golden-crowned Sparrow, Song Sparrow, White-throated Sparrow, Varied Thrush (1) and Flicker. Warmer.

Feb. 5. Walked up Tilden road. Snow on ridges and under chaparral. Warmer. Cut Pussy Willows.

Feb. 1922 Berkeley.

Feb. 6. Much warmer. Worked in garden p.m.
Feb. 7. Rain in evening.
Feb. 8. Titmouse investigated wren box - S. side of house
Many moths about light on front porch at night
Feb. 9. Cold.
Feb. 10. Rain.
Feb. 11 Flock of Cedar Waxwings. Very cold night. Heavy frost
Feb. 12. (Sunday) Walk in hills. Got Pussy Willows. Saw
Red-breasted Sapsucker.
Feb. 15 Rain - warmer
16. Warm. cloudy. Thrasher came to table with
hazel nut sticck on its bill. Tried to knock
shell off by striking table. Flew to ground,
pecked in ground. Flew to branch, rubbed
shell against ~~branch~~ side of foot. Disappeared
in brush with shell still on its beak.
Feb. 18. Titmouse investigated box on fence post
Female (?) at hole. male calling in tree above
Thrasher & Hutton Vireo calling & singing
Wes Nuttall Sp. & Song Sp. Jamie broke left arm
19. Heavy Rain. Sladeria protest drawn up.
20. Rain.
22. Chilly, cloudy. Many Cedar Waxwings
23. Warmer - partly cloudy
24. Rain. Mr. Rieber resigned from U.C.

Mar. 1922 Berkeley.

Feb. 25. Rain. S. F. Towhee came to table with one tarsus badly swollen.

Feb. 26. Rain.

27. Clear. beautiful. Walked up from Museum thro' canyon. At bridge back of Gk. Theater Allen H. Hummer was going thro' pendulum. After several repetitions, flew into tree below and buzzed back and forth over an arc which measured about six inches - a dozen times or more.

Mar. 1. Warm

Mar. 2. Titmouse gathering bark, mate near by. Warm, growing cloudy. Saw Allen H. near window, also on Bancroft Way.

Mar. 3. Rain. S. F. Towhee with sore foot (left) came to table. Tarsus much swollen and feathers from band.

Mar. 4. James down with Influenza. Walked to Mrs. Saunders from end of Euclid Car. Banded Brown Towhee has not been seen for some time. (Banded

March 6 - 13 Influenza - both in bed w. nurse.

Mar. 7. Mrs. Lehmann reports Allen H. building on Noyes house - but not over front door as for two years past.

Mar 10. W. Winter Wren still about.

March Berkeley 1922

Mar. 11. Flurry of snow at 1 P.M. Jamie reported Tamalpais & ridge of hills in East Bay white with snow.

Mar. 12. Sunny.

Mar. 13. Came down stairs.

Mar. 14. Banded Broom Towhee No. 4.9010 definitely missing. New Broom Towhee acted very nervous on the table.

Mar. 15. Rain.

Mar. 16. S.F. Towhee with sore foot missing. Showers. Broom Towhee, unbanded, has certainly brought new mate to take place of 49010.

Mar. 18. Went to Baumberg with Mrs. Wood. Very wet and bare. No flowers except mustard and canchalagua. Country flooded. Blackbirds, Br. & Red-w. Cowbirds, Killdeer, Dowitchers, Sandpipers, a few ducks pipits and a butcher bird. Also Violet green Swallows

Mar. 19. Warm, balmy. First time this year.

Mar. 20. Lutescent Warbler heard. first time this year.

Mar. 21. Fox sparrow came to table with foot injured by band.

Mar. 22. Banded the new mate of the Broom Towhee which defies blue jays — no. 51985. Accidentally pulled out all the tail feathers in removing it from trap.

March 1922 Berkeley.

Mar. 23. Rain

Mar. 26. Heard House Wren in Richers' garden. Caught Fox Sparrow and removed band which was too tight.

Mar. 27. Cloudy.

Mar. 28. Cloudy with a little rain. Fox Sparrow with lame foot spent much time feeding.

Mar. 29. Rained during night. Two Fox Sp. on table - one the lame one.

Mar. 30. Warbling Vireo, Western Flycatcher and Pileolated Warbler seen in canyon. White-throated Sp. and House Wren near house - Rain p.m.

Mar. 31. Rain. Titmouse calls sweet, sweet, sweet, constantly. No answering call. Trying to attract a mate? (Later. No mate came - Did not nest in nest box in 1922)

Apr. 1. Warm, beautiful day.

Apr. 2. Went to Sausalito. Walked to Fort Baker. Perfect day. Wild flowers wonderful. E and W. Lark Sparrow - singing. Nuttall Sparrows song like that of Berkeley Nuttall - not Belvedere or G. G. Park.

Apr. 3. Perfect day.

Apr. 4. Cold N. wind. Partly cloudy.

April 1922. Berkeley.

Apr. 5 North wind. Warmer in afternoon.

Apr. 6. Claremont Hotel & canyon. Beautiful day. Found nothing unusual - Russ.-cr. Sparrow seen.

Mrs. Edwin Mead reports that she had moved a hummingbird's nest (disturbed by painters). Contained two young partly feathered and stretching their wings. She put the nest into a different bush and sheltered it under a piece of corrugated paper. The mother continued feeding them.

Apr. 7. Cold. Cloudy.

Apr. 8. Clear. Chilly north wind.

Apr. 9. Clear. Chilly.

Apr. 11. Vaux's Swift investigated nesting box near living (did not occupy it.)

Apr. 12. White-throated Sparrow moulting - very ragged about head and breast

Brown Towhee 51980 - new tail feathers about 1/4 grown.

April 13. Went to Golden Gate Park. Saw Pied-billed Grebe, Eared Grebe, Mallard Duck (8 young), Ruddy Duck, Quail, Red-shafted Flicker, Allen Hummers, Brewer's Blackbird, Cal. Purple Finch, House Finch, Pine Siskin, Spurred Towhee, Myrtle Warbler, Pac. Yellow-throat, Audubon's Warbler, Vaux's Swift, Plain Titmouse, Bush-tit, Ruby-cr. Kinglet.

April. 1924 Berkeley.

Apr. 16. Cold, north wind.
Apr. 17. " " "
Apr. 18. White-throated Sparrow still moulting.
Hutton Vireo up canyon.
Apr. 19. Saw 1 Ruby-cr Kinglet. 1 Dwarf. Hermit Thrush. Nuttall's about constantly.
W. Flycatcher common.
Apr. 20. Went to Alameda. Saw several hundred Dowitchers several semipalmated Plover, a few curlew and 1 Black-bellied Plover. Warm.
Apr. 21. Lut. Sparrows still here. Children brought me a Brown Towhee that had been killed by flying against a window.
Apr. 23. Ruby cr. Kinglet, White-throated Sp. and Fox Sparrow still here.
Apr. 24. Black-headed Grosbeak singing in canyon at 3:30 p.m. R-c. Kinglet here. Hermit Thrush came at dusk to bathe.
Apr. 25. Cal. foggy all day. Saw Cooper Hawk.
Apr. 26. Yellow Warbler back. Evening Cleaned at Titmouse box.
Apr. 27. Went to Bannerg. Beautiful day. Saw Bonaparte Gull, White Pelican, Ruddy Ducks, Pintail, Bittern, Lt-Blue Heron, Black-cr. Night H

1922. Berkeley.

May

Bamberg (contin.) Apr. 27. Coots. Avocets. Dowitchers W. Sandpipers, Redbacked Sandpipers. Yellow Legs, Killdeer, Sparrow Hawk, W. Meadow Lark. Brewer Blackbird, House Finch, Willow Goldfinch Bryant Sparrow, Intermediate Sparrow, Salt marsh Song Sp., Cliff Swallows (building), Barn Swallow, P. fish.

Apr. 28. House wren which has been singing near house for a mate has found mate - Exploring Tetamouse box - (Did not build there)

Apr. 29. Warm. Fox Sparrow and White-throated Sparrow still on feeding table.

May 1. Warm.

May 2. Warm.

May 3. Heard Russet-backed Thrush call at dawn Lone Fox Sparrow still here.

May 4. Went to Lafayette. Warm, beautiful day. Quail, Mourning Dove, Red-tailed Hawk, Nuttall Woodpecker (nest in hole in post), Calif. Woodpecker Flickers, Vaux Swift (?), Allen Hummingbird, Black Phoebe (nest under bridge), W. Wood Pewee Western Flycatcher, Steller Coast Jay, Calif. Jay, Meadow Lark, Bullock Oriole, House Finch, building Willow Goldfinch, Green backed Goldfinch, " Song Sparrow, S. F. Towhee, Calif. Towhee Black-headed Grosbeak (skipping back) Lazuli Bunting, Warbling Vireo feeding young,

Lafayette, Balboa. 1922 May.

May 4. Lafayette (contin.) Lutescent Warbler, Yellow Warbler, Tolmie Warbler, Pileolated Warbler) Calif. Thrasher, Virgin Wren, Titmouse, Bush-tits, feeding young. Wrentit, Western Bluebird, feeding young, House Wren, Russet-backed Thrush and Long-tailed Chat. (138 total)

May 5. Went to Los Angeles.

May 10. Took trip to Balboa with Mrs. Anthony and Mrs. Schneider. Saw: Clear. cool.

Glaucous-winged Gull, Western Gull, Bonaparte Gull, Forster Tern, Gt. Blue Heron, White Pelican, Egret (Mrs. S.), Coots, Avocets, Spotted Sandpiper, Sandpipers (flock), Long-billed Curlew, Hudsonian Curlew, Semi-palmated Plover, Mourning Dove, Turkey Vulture, Costa Hummer, Arkansas Kingbird (west), Black Phoebe, Horned Lark, Red-w. Blackbird, W. Meadow Lark, Bullock Oriole, Brewer Blackbird, House Finch, Belding Marsh Sparrow, W. Lark Sparrow, San Diego Song Sparrow, Calif. Towhee, Black-h. Grosbeak, Western Blue Grosbeak, Lazuli Bunting, W. Martin, Cliff Swallow, Barn Swallow, Calif. Shrike, W. Mockingbird. (28 total)

May 13. Drove from Pomona to Victorville & back thru' Cajon Pass. Not much time for

May. 1922. Claremont, etc.

Pomona May 13. (Contin) birding. Rest of party not interested. Very hot. East wind part of the time. Saw. Mocking birds, Linnets, Eng. Sp. Song Sp. Brewer Blackbirds, Cliff Swallows. Quail. Mourning Doves. Green backed Goldfinches Brown Towhees. Yellow Warblers. Phainopeplas, Butcher Birds, Calif. Woodpecker, Bullock Oriole, Horned Lark, Meadow Lark. Lazuli Bunting. Blue Jay. Cassin Vireo, Virgos Wren. Gnatcatcher, Buzzard. Kingbird (Cassin?). Black-headed Grosbeak. Warbling Vireo. Returned to Claremont.

May 14. Claremont. Very hot. Got up at 5 a.m. and went to Blanchard Park till 8 a.m.
Quail, Mourning Dove, Turkey Buzzard, Calif. Woodpecker, Anna Hummingbird, Costa Hummingbird, Ash. Kingbird, W. Wood Pewee, Calif. Jay, Brewer Blackbird, W. Meadowlark, Hooded Oriole, Bullock Oriole, Calif. Purple Finch, House Finch, Green backed Goldfinch, San Diego Song Sparrow, Anthony B. Towhee, San Diego Towhee (Sp.) Eng. Sparrow, Black-headed Grosbeak, Cliff Swallow, Cedar Waxwings, Calif. Shrike, Warbling Vireo, Least Vireo, Yellow Warbler, Golden Pileolated warbler, Western Mocking bird

May. 1922 Claremont

Calif. Thrasher. San Diego Wren. N. House Wren. Bush tit. Pallid Wren-tit. Blue-gray Gnat-catcher.

The Least Vireo was a new bird to me and I was much interested in its habits and song. It kept to the low bushes or hanging low branches of the oak trees. The male sang constantly a song which said rhythmically, "Ch, do you see me? Yes, dear, I see you."

On Bridges Hall were many Cliff Swallows nests. When the note of a Cliff Swallow was heard as it circled above the building several male Eng. Sparrows flew up and clung to the rough places on wall near the Cliff Swallows nests and began giving the call of a nesting Eng. Sp. They repeated the call very rapidly and sometimes flew into the nests where they sat with their heads out of the holes calling loudly. The swallows circled about and sometimes flew near the nest but I did not see one feed a sparrow. The sparrows certainly seemed to be trying to get food from the swallows.

May. 1922 Berkeley.

May 15. Hot. Took 6 A.M. train to Los Angeles. Went to Exposition Park at 11 A.M. Foggy. Where I saw Mr. Wyman. Consulted him about doubtful species. In the park, Brewer Blackbirds were feeding young. Mockingbirds were building a nest in a large Eucalyptus tree near the Museum. Killdeer had a nest in the Sunken Garden in the inside rim of the pond (Wyman) Took 4th train for Berkeley.

May 16. Reached Berkeley 8 A.M. Cool, foggy. Robins near Faculty Club. W. Tanagers in Canyon singing. W. Flycatcher has nest under N.W. porch.

May 17. Commencement Cool, foggy. W. Tanager singing. House Wrens have nest in box near swing — same one occupied last year by House Wrens which I banded.

May 18. Cool. W. Tanagers singing at dawn.

May 19. Migrating Warblers. Yellow, Pileolated etc Delayed by rain? Rain.

May 20. Went with family to Ross Valley for day. Beautiful weather. On bay saw F. Cormorant diving, W. Gull, Calif. Gull, Surf Scoters, W. Sandpipers, Hudsonian Curlews (1 in Marin

Marin

May. 1922. Ross Valley.

May 20, Ross Valley (contin). Over bay Gt. Blue Heron. In Ross. Calif. Quail. Buzzard. Anna Hummer. Allen Hummer. Ash-throated Flycatcher, Black Phoe. W. Flycatcher, N-W. Crow. Calif. Purple Finch, House Finch, Green-backed Goldfinch, Pine Siskin. W. Chipping Sparrow. Song Sparrow. Spurred Towhee, Black-headed Grosbeak. Lazuli Bunting, Western Tanager. N. Violet-green Swallow. Warbling Vireo (abundant). Hutton Vireo (abund.) Lutescent Warbler. Yellow Warbler. Pileolated Warbler. Virgin's Warbler, W. House Wren, Calif. Chickadee. Bush-tit, Russet-backed Thrush. (Total 36)

May 22. Warm, pleasant.

May 23. Perfect

May 24. " . Blue Jay after young S. F. Towhees. Distress calls heard twice.

Young jays calling in oak tree above Ross-wood Road.

May 26. Very warm. Saw one Cliff Swallow flying high over canyon.

May 27. Very warm. Bush-tits feeding young out of nest. W. Flycatcher brooding in nest under porch. House Wren brooding in box near swing.

1922.

May 28. Went to beach and Golden Gate Park. with James & Janice. Pleasant day.
Many baby Mallards in park. assorted sizes.
Robins in sheep pasture.

May 29. Walked in hills after supper. Thrush sang beautifully at end of Monrovia Road.
Thrushes nesting in broken oak. Meadow Larks sang until dark.

May 30. Went to Cemetery. Carrion Vultures singing near Country Club. Heard 2 Chipping Sparrows and Robins.

June 3. Walked up Canyon. Many Thrushes singing. Other birds abundant.

4 Walked up canyon.

5. Went to Golden Gate Park with Janice & Helen. Several Robins seen, one feeding spotted young. 9 F. Towhee sang like Titmouse.

June 8. Bush-tits in flock - 20-25. Blue-sided Flycatchers (pair) near Greek Theatre Round at night.

June 9. W. Flycatcher feeding young in nest under N. porch.

June 10. Cloudy, cool.

June 11 Cloudy Cool. Quail whistling on guard near garden.

June 13. Cloudy. Cold.

June 1922 Berkeley.

June 15. Family of Titmouses flew thro garden.
June 16. Walked up canyon. Birds abundant. 2 Tolmie Warblers singing, Many Grosbeaks, Thrushes, Bush-tits, Pileolated Warblers, 1 Lutescent Warbler still singing, Song Sparrow, Towhees. Wren tits etc. Heard no vireos.
June 19. House Wrens left nesting box. Have not been able to see a band on either of pair.
June 20. W. Flycatcher's young visible above top of nest. Heard Hall burned at 7:55 p.m.
June 21. W. Flycatchers left nest. Warm.
June 22. Cooper Club. Mrs. Clark Bleicusdafer showed pictures of Calif. birds. Warm.
June 25. Walked up canyon. Thrushes, Grosb., Wrens + Pileolated Warblers singing. Have had three meals out doors every day for about ten days.
June 26. Cooler.
June 27. Cool. Fog.
June 28. Cool. Fog.
June 29. Young Thrashers came with parents into bees next house. First time I have heard the call of young Thrashers.
July 2. Land's End & Cliff House. Many Cormorants

July 1922 Berkeley.

on Rock near light house. Saw also Gulls, Willow goldfinches, Nuttall Sp. and Song Sp. Cliffs covered with Beach asters, Stone-crop, Yellow lupine, Snapdragon etc.

July 3. Blue jays brought 3 young to table. Adult pecked at window repeatedly. W. Fly catcher seen again on nest under porch. Mole calls often.

July 5. Jays about continually.

July 7. Saw 1 young S. F. Towhee. Cool, foggy.

July 10. Heard Robin at dawn. Mr. Clarke Blickensderfer (Colorado) took pictures of Jays through dining room window.

July 12. Walked up canyon road, up horse back trail to Mosswood Road after supper. Thunder still ringing. Virgin Wren taking dust bath. Birds abundant.

July 14. Mr. B. came again to take photographs.

July 17. Young Jays spend much time on the feeding table. They feed themselves when they are alone but beg the parents if they come near.

July 18. Russet-backed Thrush still singing.

July 19. W. Fly catcher feeding young of 2nd brood. Young jays give two calls of adults

July 24 " " very tame. Ones fed from my hand

Aug. Strawberry - 1922.

July 26. W. Flycatcher still feeding 2nd brood.
Beautiful sunny days.
July 27. Thrush whistles at dawn but did not sing.
July 30. Prof. L. H. Miller came to tea.
Aug. 2. Young W. Flycatchers visible above top of nest.
Heard B.h. Grosbeak & R.b. Thrush.
Aug. 5. Went to Strawberry near Lake Tahoe. 7:55 train on C.A.-N.E. Heavy fog in bay region. Cool to Sacramento. Many swallows along river & upper bay. Stage to Placerville - hot. Meadow Larks, Horned Larks, Blackbirds & Mourning Doves. Mt. Quail near American River.
At Strawberry - Juncos feeding young. Thick-billed Fox Sp. singing in brush at foot of Lovers Leap. & Robin singing. Chipping Sparrow.
Aug. 6 Cool early a.m., hot middle of day & lovely 4-8 p.m. At dawn I heard the Warbling Vireo, Blue-fronted Jay, Olive-sided Flycatcher, Wood Pewee and Chickadee - Later - Heard Green-tailed Towhee, Flicker & Red-breasted Nuthatch.
Aug. 7. Woodpecker with small white wing patches - Robins abundant on brush covered slope where many berries were ripening.

Aug. 1922 Strawberry

Aug. 8.
Saw W. Tanagers with young. Very warm.
Walked up road to Lovers Leap trail.
Many small Flycatchers - distinct eye ring, two distinct wing bars, outer tail feathers white. Tail square, median line light throat & half collar. (Nights?)
Saw 8 swifts - white below and on rump.
Aug. 9. Woodpeckers - back white, wide stripe over eye, forehead white - under parts white wing patches.
Vireo - song like phrased song of purple finch - under parts yellowish, back light olive, white eye ring, 2 wing bars.
Cooper Hawk - feet yellow.
1 Night Hawk.
Aug. 10. On Strawberry Creek trail among wild berries - Robins, Thick-billed Fox Sp., Gr. tailed Towhee, Purple Finch, Lazuli Bunting
In woods - Slender-billed Nuthatch, Red-breasted Nuthatch, Audubon Warbler, Red-br. Sapsucker, W. Tanager, Chickadees, Olive-sides Flycatcher, W. Wood Pewee, W. Warbling Vireo, Calliope Hr.
Aug. 11. Added to list - W. Evening Grosbeak, Golden crowned Kinglet and White-headed Woodpecker
Aug. 12. Returned to Berkeley Hot. Many swallows on upper bay.

1922.

Aug. 16. Drove with Mrs. Ferguson to Richmond, San Rafael Sausalito, Bolinas, Olema, Bear Valley, Tocaloma, Papermill Creek, San Rafael - home.
On Bolinas Bay were Kingfishers, White Pelicans, Brown Pelicans, Blue Herons.
In Bear Valley - Blue birds.
On rocky shore near San Quentin Point I saw a gray bird 9-10 in long, no white markings on wing - Wandering Tattler.

Aug. 19. Heard Grosbeak and Thrush.
Aug. 20. Heard W. Tanager.
Aug. 21. Saw Pileolated Warbler. Warren
Aug. 27. Heard Grosbeak - Saw Yellow Warbler.
Sept. 2. Saw W. Tanagers in Ferguson fruit trees.
Sept. 7. Heard W. Gnatcatcher & Red-b. Nuthatch.
Sept. 9. Hot. Heard Grosbeak.
Sept. 10. Thrushes whistled at dawn.
Sept. 14. Sh-sh-sh. Hawk disturbed quail at bird bath.
Sept. 15. Heard Thrush (R-H)
Sept. 16. Cooper Hawk lighted on telephone pole just above my head.
Sept. 17. Meadow Larks singing rollo-vock.
Sept. 20 R-b. Thrush called at dawn.

(over)

Sept. 1922. Baumberg.

Sept. 20 (contin.) Went to Baumberg with Mrs Saunders, Kelly & Leidemann. Saw many pintails, 25 avocets, 30-40 yellow legs, 1 stilt, a few sandpipers, 1 blue heron, 40-50 dowitchers, Bonaparte Gulls. 1000 violet-green swallows, a few barn swallows, linnets, blackbirds, Bryant Marsh Sparrow, Song Sparrow, Eng. Sp. and 1 Sparrow Hawk.

Sept. 24. Mrs. Schlesinger sent me young tanagers to stuff.

Sept. 28. Began series of six bird trips. Faculty Glade - Townsend W. Creeper / Freshmen saw many robins.

Sept. 29. Many Intermediate Sparrows.

Sept. 30. A Fox Sparrow came to the pool at 10:15 a.m. Walked up canyon 2-4 p.m. Many Fox Sparrows, 1 Ruby Crowned Kinglet, 1 Golden-Crowned Sparrow.

Oct. 1. Rain with lightning & thunder at night, first of season.

Oct. 2. Rain.

Oct. 3. Rain a.m. Cleared p.m.

Oct. 4. Saw Sh. Sh. Hawk.

Oct. 1922 Alameda.

Oct. 5. Walk in Claremont Canyon.
Saw Pileolated Warbler & Allen Hummingbird
Migrants – Black-throated Gray Warbler
and W. Gnatcatcher. Picked up dead
W. Winter Wren – Heard Rufous crowned Sp.
Winter Visitants – Fox Sp., Intermediate Sp.,
Ruby-cr. Kinglet, Townsend Warbler, and
Sharp-shinned Hawk.
Oct. 6. Ruby-cr. Kinglet heard – Weather fine.
Oct. 7. Conducted Col. Nature Club. Alameda
shore – Saw – W. Gulls, Bon. Gulls,
Forster Terns, Sandpipers (large flocks)
Many Marbled Godwits, W. Willets (many), a few
Curlew, Black-bellied Plover, Semipalmated
Plover (?), and Killdeer.
Oct. 8. 15-25 Cedar Waxwings Fleeting.
R-c. Kinglet common. Sh. s. Hawk-
Rained.
Oct. 9. Rain – Oct. 10 Rain – 11. Cloudy.
Oct. 16. Took class to Alameda.
Tide just right – Willets 8-10
Godwits 8-10, Dowitchers 8-10, Red b. Sand-
pipers 5, B-b. Plover 4, Foster Terns 2,
Semipalmated Plover 20, Sandpipers large flock
1 Clapper Rail – excellent view of it.

Oct. 1922 Berkeley.

Oct. 17. Hermit Thrush back.
At noon an aggregation of birds came into garden 12:15–12:30.
2 Towhees, 2 Br. Towhees, 2 S.F. Towhees.
2 Song Sp., 2 R-c. Kinglets, 1 Golden-cr. Sp.,
2 Jays.
12:30–1:00 in garden—
Flock Bush-tits, Vigors Wren, Flicker.
Dot. Sparrow. In the pine trees, Red-breasted Nuthatch, R-c. Kinglets (singing).
Oct. 20. Warm & wind. Hermit Thrush common
Oct. 21. Hot.
Oct. 22. Hot. Dead Varied Thrush on back steps
Oct. 25. Very few birds — none come to table.
Nov. 2. Cold. Clear. Mrs. Cole took us to Berkeley Country Club in search of Blake plants.
Saw few birds.
Nov. 3. Met with Mr. & Mrs Sobeck to Boulder Creek by way of Congress Springs, Big Basin.
Road very good. Birds rare except on edge of woods where juncos and sparrows. Several small bands of Band-tailed Pigeons near summit. Madrone berries very abundant.
N. wind. Night very cold.
Nov. 4. Short walk. Robins, juncos? Flickers Sp. (Dot. & R-c.) Gh-tl. Nuthatches, Jays, Bush-tits.

Nov. 1922 Berkeley -

Virgo's Wm. Hutton Varis Calif. Woodpecker.
Partly cloudy - warmer.
Nov. 5. Clear, frosty. Drove to Santa Cruz
then home by way of Los Gatos.
Nov. 6. Rained all day. Golden-crowned Kinglets about.
1 Brown Towhee on feeding table.
Nov. 7. Partly cloudy: showers. 4 Quail on table.
When jay gave alarm note, the quail froze
instead of flying as other birds do when on
table.
Nov. 8. Rain.
Nov. 9. Rain.
Nov. 10. Board of Gov. of C.U.C met.
Nov. 11. No birds seen at table or bath.
Nov. 12. Clear. light frost. Two Brown Towhees
came to table - 1 banded.
At the bath, 1 Hermit Thrush, 1 Song Sp., 1 Fox Sp.,
1 Br. Towhee, 2 S.F. Towhees. 1 R-c. Kinglet
In bushes; 2 Wren tits, 2 R-C Kinglets. Juncos
Bush-tits, 2 Song Sp, 1 Thrasher digging,
1 Thrasher singing. 8 Blue jays -
Nov. 13. Table empty most of time - 1 Fox Sp. at pool.
For six weeks only Brown Towhees have come
to table, and they not often. Quail a few times.
Nov. 15. A large flock of juncos came to water. In
same aggregation 2 S.F. Towhees 1 Fox Sp, 1 Song Sp, 2 R-C
Kinglets, 1 Hermit Thrush 1 Flicker (drinking)

Nov. 1922 Berkeley.

Nov. 16. Last bird walk over stadium site. Found Red-breasted Nuthatches, Golden-crowned Kinglets, Hutton's Vireo, besides other common birds.

Nov. 17. Last protest against stadium — city hall.

Nov. 19. Heavy tule fog at night.

Nov. 20 " " " a.m., + p.m.

Nov. 21. Clear, cold.

Nov. 22. 2 Willow goldfinches with juncos at pool.

Nov. 23. Went to Lake Merritt with class. Found Lesser Scaups (2♂), many pintails, shovellers baldpates, mallards, Canvas backs, Ruddies and a few bluebills. 1 Male buffle-head and 3 females. 1 Snow goose, 3 hybrid ducks. 2 Thrashers.

Nov. 24. Warm.

Nov. 26. "

Nov. 28. 1 Fox Sparrow came to table. Also banded Br. Towhee and Blue jay.

Nov. 29. At pool: 1 S. T. Towhee, 2 Br. Towhees, 1 Varied Thrush and 1 banded White-throated Sparrow. Cold, clear. 2 quail go thro' garden several times a day.

Dec. 1. Cold, clear. N. wind.

Dec. 2. Br. Towhee on table. At pool banded White-thr. Sp., 1 Hermit Thr. 2 Varied Thr. (1 full plumage) 2 Fox Sp., 2 S. T. To

Dec 1922. Berkeley.

1 Song Sp., juncos and Juglets. A full plumaged Varied Thrush bathed for five minutes. One in general plumage flew at Fox Sp. and Brown Towhee when they came to pool.

Dec. 3. Beautiful day. No wind. Varied Thrushes Came for water.

Dec. 4. Heavy frost in morning - first time. Banded Br. Towhee has half of tail feathers 1/2 grown.

At 9 a.m. birds Came in following order:

2 Br. Towhees (1 banded) to table then bath.
2 Sp. " at bath - later 4.
1 Thrasher.
1 Varied Thrush (bath) 1 Fox Sp (bath) + drunk
1 Fox Sp. perching, 1 male flicker drinking
1 Hermit Thrush
3 jays in bushes
1 Wrentit " "
Quail in ground

9:40 1 Jay on table.
20 juncos about bath.
2 purple finches drinking + bathing
1 song sparrow.

Dec. 1922. Berkeley.

Dec. 6. 10 a.m. 4 Varied Thrushes.
2 Brown Towhees
4 S.F. "
3 Fox Sp.
1 White thr. Sp.
1 Thrasher came to table.
7 Quail on table & railing at once
Blue Jays - 1 on table.

Dec. 7 - rain - Dec. 8. rain, 9. rain.
10. rain - 11. rain, rain, rain. White-thr. Sparrow came twice to table.

Dec. 13. Rain. Thrasher on table. 1 quail at noon.

Dec. 29. 2 juncos came to table. Remained only a few moments.

Dec. 31. Banded Song Sp. on table. First time for two months or more. Also banded White-throated Sparrow. Thrasher comes occasionally to table.

Jan. 1923. Berkeley.

Jan. 4. In other years birds have come in numbers to the table for food, eating all I put out for them. This year very few come and those only occasionally. Probably the early rains, followed by warm weather caused abundant food supply.

Jan. 25. Donald R. Dickey showed his Motion Pictures. "Game Trails of the Northern Woods". Met Major Allan Brooks, who is painting at the Museum

Jan. 28. Wren-tit came to table - first time for many months. Also 1 Song Sparrow (banded) 1 Br. Towhee (banded), 2 Fox Sparrows, 1 White-throated Sparrow (banded). White-throated Sparrow has been missing for two weeks.

Jan. 29. Cold with flurry of snow. Birds eager for food at last. (Feb. 4. Dr. Bryant saw Allen Hummer)

Feb 6 - 26 - Influenza. James + Jamie.

Feb. 15. Warm. Many birds come to feed. Song Sp. Thrasher! (Vapors Mar. beginning to sing.)

Feb. 16 - 19. warm.

Feb. 17. Ht eard Allen Hummer - first time.

Feb. 18 " " " again.

February 1923. Berkeley

Feb. 19. Birds at table: 5 Fox Sparrows, 3 Song Sp., 2 Brown Towhees, 2 S. F. Towhees, 7 Juncos, 1 White-throated Sparrow (1 with broken wing)
At bath - Varied Thrushes, 1 Purple Finch, 3 Ruby-cr. Kinglets.

Feb. 20. Cooler. Flickers came for water.

Feb. 22. Flock of Cedar Waxwings at Bancroft & Warring. Robins abundant - both feeding on the Toyon berries there - Golden-cr. Kinglets heard near house. Foggy - Sunset North of Golden Gate -

Feb. 23. Foggy. 9:30 a.m. A flock of 8-10 Crossbills flew over, calling "Kup-kup, kup, kup."

Feb. 25. James saw flock of about 75 Cedar Waxwings at Bancroft & Warring - Eating Toyon berries.

Feb. 26. Warm - about 70°. Birthday luncheon for Mrs. Whitney. Birds all came to table, even quail. Varied Thrush at R-C. Kinglet at fountain. Townsend Warbler feeding under eaves.

Feb. 27. Warm. N. mid-

Feb. 28. Warm - dry - Watered garden -

March. 1923. Berkeley.

Mar. 1. Ladies came to watch birds. Cooler. Cloudy, balmy. Showers continuous. 1 White th Sp. 3 Jays, 5 ~~Fox~~ Sp., 3 Song Sp., 3 S.F. Towhees, 2 Br. Towhees, Juncos. Thrasher (ate nuts) At fountain - Varied Thrush (1 with broken wing) R-C. Kinglets, In sunny gulch the Allen Hummers was in fine feather, doing pendulum. Heard Rufous-crowned Sparrow.

Mar. 2. Cold. N. wind.

Mar. 3. Cold. N. wind. Mar. 4. Cold. Sore throat.

Mar. 5. Heard Lutescent Warbler about noon. 1st time

Mar. 6. Flock of about 100 Robins flew high up canyon at dusk. (Do they have nest in pine trees near Grizzly Peak?)

Mar. 7. First Spring Bird walk Claremont Canyon. Lutescent Warbler. Large flock of robins. A few Varied Thrushes. Many Chipis Wrens. Bush tits - many pairs - 1 small flock. Juncos, Towhees, Allen Hummers etc.

Mar. 9. White-throated Sparrow still here.

Mar. 13. Warm. " " " "
Titmouses singing. also Chipis Wren and Thrashers. Many Intermediate Sparrows on hill near Birds, also on Right of Way. First time this winter.

March. 1923. Berkeley.

March 14. Birds come to feed still. 2 Thrashers (both on table together) 5 Fox Sp., 4 S.F. Towhees 2 Song Sp., 2 Br. Towhees. 5 Blue Jays. Varied Thrushes feed in garden and come to pool. 2 Intermediate Sparrows on Right of Way — very tame.

Mar. 15. Bird Class went to Golden Gate Park. Water birds less abundant than usual. 1 Buffle Head, 12-15 pr. Shovellers, 12 Ruddies, Mallards (young 13, Leybirds) 3 young swans (black) 1 Red-bills grebe, 1 Eared Grebe, Calif Gulls. Many Song Sp. (mated), Vigors Wrens, Chickadees, a few juncos, 2 R-C. Kinglets, 1 Robin, few Varied Robins, 2 quail, S.F. Towhee, Yellow-throat (singing), Mutant Sp., Audubon Warbler, Allen Hummingbirds. Heard Crossbills. Warm. Perfect weather.

Mar. 16. Warm. Gt. Horned Owls - 2 calling in night. 1 Barn Owl called once.

Mar. 17. Warm. Ingatius ant trails noticed. Lutescent Warbler heard again. Put out traps and banded 3 Fox Sp. 1 S.F.T. 55032, 3, 4, 5 50 35 White-throated Sparrow gone.

Mar. 18. Gt. Horned Owls heard many times during night. Hot day. A bird

March 1923. Berkeley.

Mar. 19. Wrentits making a great fuss over Blue Jays (near their nest?) Stopped immediately when jays flew out of bush. Bush tits also concerned. Cooler. Purple Finch singing beautifully. Also Thrasher. Banded ♀ Song Sparrow 55036

Mar. 20. Varied Thrush in garden. Warm.

Mar. 21. Jamie's Birthday. Went to Golden Gate Park. Beautiful warm day. In Rhododendron garden, Chickadee flew into crack in Eucalyptus tree. In Japanese Tea Garden flocks of 25-30 Crossbills feeding on Eucalyptus seeds (small variety). Many pair Pintail Scaup & Bluebills on bay. Calif. Gulls very numerous. Many W. Gulls. Several Ring Billed mixed. 1 Herring, a few Ring billed

Mar. 22. Walk in Wild Cat Canyon. Very warm. Many Hutton Vireos, Calling Constantly. Lut. Warbler common. Heard Pileolated W. Bush tits all mated — no flocks. 26 sp.

Mar. 23. Charter Day. Purple finches singing. Warm.

Mar. 24. Cooler. Ride with Debrucks into Redwood Canyon, Walnut Creek, Franklin Canyon. Cool, clear. Lut. Sp. Hermit Thrush (singing) Mourning Doves Shrikes

Mar. 25, 26. Hot. Townsend Warblers singing.

March 1923 Berkeley.

Mar. 27. Caught lone canary - Heard House Wren. Went with Mrs. Saunders & children to Pleasanton & Sunol in search of Blue Heron colony. Found them N. of Hearst Estate. 4 nests in one tree - 5 in other - Birds on nests and flying about. Saw also Kingfisher, Black Phoebe, Willow Woodpecker, Swallows (building under eaves at Danville) Morning Doves, Shrike, Brit. Sparrows, Audubon Warblers, Varied Thrushes. Three (large) dark birds chasing Blue Herons giving note like that of W. Martin. Black Phoebes building. Blue Herons seemed to be brooding. Nests very high in tops of sycamore trees.

Mar. 28. Heard a Warbling Vireo singing near the U.C. dairy. Warm.

Mar. 29. Fog in morning. Townsend Warblers singing. James reported Great Horned Owls in the night. One was on the sleeping porch, the other farther away. Linnet Warblers at the pool. Singing freely.

March 30. Cooler. Heard R.C. Kinglet. Juncos 51981

March 31. Showers in night. Banded Fox Sp. 55037, Br. Towhee 55038.

White Throated Sparrow (banded) seen again after two weeks absence. Did not succeed in trapping it.

April 1923 Berkeley

April 1. Tracks White-Throated Sparrow and read its number - 51978. Also heard a S.F. Towhee, 55039. Rain. There is still an unbanded Brown Towhee feeding at my table. I had supposed there were only two and that were both now banded. R-C Kinglets and Townsend Warblers still here. Latter singing. A Towhee on the feeding table "buzz" when Blue Jay gave its alarm note.

Apr. 2. Rain a.m. White-Throated Sparrow still about. Cock quail on table. Hermit Thrush.

Apr. 3. Clear. Crisp. White-Throated Sparrow here. Townsend Warblers in full song. Fox Sparrows sing often but not in full tune. 9 a.m. Four quail (2 male, 2 female) on table with Towhee and Brown Towhee. Towhee pecked one quail in thigh without effect. Then began tackling them fully driving 3 of them off. Males leaving females. 9:15 4 female quail, eating Cheerios.

Apr. 4. Rain, Thin. Not cold. Many birds. White-Throated Sparrows came to table once.

Apr. 5. Rain. R-C Kinglets singing, Hermit Thrush calling. Pair of quail on table.

Apr 3. (Contin) Went to cemetery p.m. In Country Club grounds were Quail, Juncos. Varied & Robins and Robins. In cemetery both Nuttall and Intermediate Sparrows were singing.
Apr. 6. Pair of Quail on table. Cloudy.
Apr. 7. Conducted Field Trip of Calif. Nature Club on Campus. With so many new buildings going up (Education, Mechanic, Physics and Stadium) there is little birding Territory left. Walked through Faculty Glade where Townsend Warblers were singing - perhaps 15-20 in a flock. Heard one Western Flycatcher. 1 Ruby-crowned Kinglet was singing continuously - Earlier as 9 passed by 9 heard the Pileolated Warbler. In the Botanical gardens were Golden-crowned Sparrows, Intermediate and Nuttall Sparrows beside Allen Hummingbirds, 1 S.F. Towhee, Br. Towhees and Song Sparrows. In the Allin orchard were Blue Jays, Robins, Linnets and 1 Juncos. Partly Cloudy - warm.
Apr. 8. Small flock of quail passes through, several came to table. Beautiful day.
Heard Warbling Vireo toward dusk.
Apr. 9. Whistle of quail on guard. A pair of Towhees came to table - Intermediate warbler sings constantly east of Lower Rain.

April 2 p.1 Berkeley. 1923.

Apr. 10. A pair of quail come often to table, using it for loafing as well as for feeding. A small flock came also in early morning. Rain. Hermit Thrush and 2 Intermediate Sparrows here. Pileolated Warbler & Warbling Vireo heard in distance. Banded Br. Towhee (new band) on table a moment. Only one feeds often and that unbanded with no mate in attendance.

Apr. 11. Still cloudy. 2 Int. Sparrows and 1 Golden-crown came to bathe. Have heard a strange call note several times lately - between a thrasher and jay, lower pitched than either. Two called at dam. Clear p.m.

Apr. 12. Beautiful warm spring day. Went with class to Baumberg. Flowers abundant and plenty of water, both fresh and salt. Found the following birds: Grebe (sp.?) (, ~~Ruddy~~ Bonaparte Gulls (black heads) many flying in crowds of ducks. 1 Baldpate, Pintail, Shovellers, 1 Ruddy. Several thousand ducks but too wild to be approached nearly. In flight, the bulk of the flocks seemed to be shovellers. Great Blue Heron (4-5), Black-crowned Night Heron (1), Coots (3-400), Avocets (15-17), Long Billed Dowitchers (50-), Red-backed Sandpiper (1),

April. Berkeley & Bamberg 1923

Western Sandpiper (100- near, large flock in distance) Sanderling (10-20), Yellow Legs (1), Killdeer (15?) Semi palmated Plover (1), Snowy Plover (5-6) Horned Lark (about 12), Redwinged Blackbird (many), Western Meadowlark (many), Brewer Blackbird. House finch (largest flock I ever saw, literally thousands in 1 Eucalyptus tree), 1 nest w. egg. Willow Goldfinch, Bryant March Sparrow (3), Song Sparrow (many) Cliff Swallow (not on barn, but under mid-mill near station.), N. Violet Gr. Swallow (100:), 1 Shrike, Pipit (6:), & English Sparrows.

Apr. 13. Beautiful day. Flock of Dut. Sparrows singing near house and one song must have been that of the White-throated Sparrow F P P P P P P, the first two notes having the quality of a Golden-crowned Sparrows song. At 2:30 p.m. a squealing as of an injured bird was followed by a great commotion among the birds at the end of which several jays flew out in pursuit of one. (Probably first jay had an egg). Ruby-cr. kinglet, 1 or 2 H. Thrush. Fox Sp. still here and 1 Golden Crowned Sparrow came to table.

Apr. 14. No Fox Sparrows at the table or fountain and no Dut. Sparrows singing. Warm. Looked into titmouse box - seven eggs.

April. 15. Golden-crowned Sparrows were singing. Several came to pool accompanied by Intermediate Sparrows but there were no Int. Sp. songs heard. Have all males passed north?

April 16. Hermit Thrush about and singing both voce. Kinglets calling but not singing. Five quail on table - went away in two groups (1) Mate & female, (2) Male and two females. Cloudy a.m. Mrs. Nice reported Yellow Warbler.

Apr. 17. Rain p.m. Hermit Thrush at pool and singing. Only birds on table - 2 pr. quail, 1 Br. Towhee (banded), 1 Br. Towhee (not banded) 1 S.F. Towhee, 1 Thrasher. At 6:30 p.m. a great row with jays.

Apr. 18. Clear, brilliant day. Intermediate Sparrows heard again. Hermit Thrush here.

Apr. 19. Took walk with class up Strawberry Canyon. Perfect day. No wind.

1 Red tailed Hawk flew out of Monterey Pines at head of canyon where they usually nest. Pair.
2. Quail, many pairs. No quail whistles.
3. Coast Jay - very numerous & noisy in upper canyon.
4. Calif Jay - Several pairs, more quiet.
6. Meadow Lark - in full song across canyon (A)
7. Flickers - two heard.

April. Berkeley 1923.

8. Western Flycatcher - one heard.
9. Allen Hummingbird - 3 seen or heard.
10. Purple Finch - 2 singing.
11. Linnet - several near ranch house.
12. Fox Sparrow - two seen on S. side of canyon.
13. Golden-cr. Sp. - small flock. No songs.
14. Song Sparrow - perhaps five.
15. Brown Towhee - " "
16. S.F. Towhee - abundant
17. Blackheaded Grosbeak - 5 or six - singing.
18. G.b. Goldfinch - 2
19. Western Tanager - heard several, saw two, one in full plumage. Heard call and song.
20. Hutton Vireo - 2.
21. Warbling Vireo - 1 - full song.
22. Lutescent Warbler - most abundant bird in canyon
23. Pileolated " very "
24. Tolmie " heard 2.
25. Thrasher - many in full song.
26. Vigors Wren " " " "
27. House Wren - three pairs near ranch house. 1 pr. building in hole above window of abandoned out-house. Both male & female working on same nest.
(28. ~~Russet-backed Thrush~~ (Heard by several)?)

April 1923 Berkeley.

April 20. Dr. Grinnell reports White-throated Sparrow near Faculty Club in full song
(Golden-crowned Sparrows near Faculty Club.

April 21. Clear. Crisp. Brown Towhee seen carrying nesting materials - soft straw or grass - Hermit Thrush came to bathe at 6:30 p.m. Black-headed Grosbeak heard in large morning cast.

April 22. Hermit Thrush came to bathe 4:30 p.m. Clear, crisp. Heard Black-headed Grosbeak near Greek Theater.

Apr. 24. Olive-sided Flycatcher calling at noon from above us on the hill. Dr. Bryant reported it also back of Greek Theater. Beautiful weather.

Apr. 25. Waked at dawn to hear White-throated Sparrow singing. Could not see it in dense shrubbery. Sang 6-8 times.

last time → Hermit Thrush came to bathe. At 9 a.m. small flock of Black-throated Gray Warblers in full song. Heard earlier also. Very bright plumage. At 4:00 p.m. drove with Mr. & Mrs. Schenck to Bamberg. Killdeer Avocets there still. Also sandpipers (W.) a flock of 20 Curlew in fields, a few ducks - Green-winged Teal, Pintail, Shovellers and Ruddy-Flushed Meadow Lark from nest - well domed of dry grass - 6 eggs. Many Cliff swal. here building on old barn. Also Barn Sw and Violet-Green. Heard Orioles. Linnets, Willow Goldfinches and Horned Larks abund. Also Bl.-w.-t Brewer Blackbirds.

April. 1923. Merced Lake.

Apr. 26. Went with ladies to Lake Merced. Ob bay were usual Gulls - Western and Bonaparte most prominent. Forster Terns and Cormorants, White-winged & Surf Scoters. At the lake: Western Grebe (1), Eared Grebe (2) Pied-billed Grebe (1), Loon (1), Bonaparte Gull, other gulls not identified, Farallone Cormorant, Mallard (1), Ruddy Duck, Bittern (also several times), Grt. Blue Heron (1), Black-cr. Night Heron (pr. in Cypress tree), Coots, Sora (heard) Belted Kingfisher (1), Allen Hummingbirds (about 200) most in Cypress tree w. 2 eggs, Black Phoebe, W. Flycatcher, Blackbirds (2) (Sp?) in tules, Purple Finch, House Finch, Willow Goldfinch, Green. Goldfinch, Pine Siskins, Pt. Reyes Junco, S.C. Song Sp; Swallow (Sp?) (Violet Green) (heard), Yellow Warbler (abundant), Pacific Yellowthroat (many), Pileolated W (several) Virgos Wren, Tule Wren (nest), Calif. Chickadee, Bushtits (nest in Eucalyptus tree in hanging branches) Russet backed Thrush.

On way home, locates Bushtits nest in live oak tree on right of way - Young calling faintly

Apr. 27. W. Flycatcher flies on to last years nest under porch. Titmice feeding young which can be heard calling: Cold.

Apr. 28. Cool, foggy.

Apr. 29. Cooper Club trip to Golden Gate Park - The perfect weather. Usual birds, Black Phoebe nests of bushtits + Nuttall Sp., baby coots. Pied billed Grebe. 2 Ruddy D - in full plumage.

May 3. Went to Lafayette: Found Quail, Red-t. Hawk, Br. Blackbird. Meadowlark, Bullocks Oriole, Wood Pewee, W. Flycatcher, Mourning Dove. Allen Hummb, Anna H., Black Phoebe, (nest but no eggs), Willow & Calif. Woodpecker, Calif. Jay, Shrike, Swallow (?) over Lake Temescal, Lunet, Willow Green-backed & Lawrence Goldfinch (abundant), Black headed Grosbeak, Song Sparrow, Calif. and S. F. Towhees, Eng. Sparrows, Chipping Sparrow, Slender-billed Nuthatch, Talmie Warbler (in hills), Yellow W., Pileolated Warbler, Lutescent W, Lazuli Bunting (abundant), House Wren (abundant) Wren-tit, W. Bluebird, Flicker, Titmouse, Warbling Vireo (abundant). Found no swallows, Ash-th. Flycatchers & Chats and only one oriole. Warm. Bush-tits out of nest Vigors Wrens in hills.

May. 5. Titmice still feeding young. Beautiful day.

May 6. Robin & Creeper in Faculty Glade.

May 8. Titmice seen in early morning near boys but not during day - Russet backed Thrush singing in evening - Very warm.

May 9. Young Blue jay just out of nest.

May 11. A family of young quail (2 days old?) were caught in the gutter on Mosswood Road. The parents went up the bank calling but the young could not get out of the

gutter on to the sidewalk - Elizabeth Paine caught them and put them on the bank where the parents collected them. Blue Jays were feeding young (calling loudly) in oak tree next to Faculty Club.

May 12. A Blue Jay which was taking food from the table was tackled by another jay. Both birds fell to the ground under the table with their feet clenched, lying on their backs or sides. After a minute or two one broke away, the other flying after. Later, when I put out fresh bread, crumbled up, a large bright-plumaged jay quickly packed eight pieces in his bill and flew away with it. A moment later, another less bright came timidly, looked about carefully, took one piece and flew just before the 1st bird returned for another load. Probably two broods are being fed. Brown Towhees attack the jays whenever they go S. E. of big oak tree.

May 13, 14, 15 warm.

May 16. Fog. Filming about box again.

May 17. Gave talk before Fruitvale Women's Club.

May 18 - June 1 - Housecleaning. Quail (a pair) came occasionally to table for food. Days took everything except (candy) seed. By May 27 brought young up into trees near table. Thrashers had young near table till May 29 when they moved farther up canyon. 1 Br. Towhee, 1 Song Sp. (banded) and 1 S.F. Towhee came often for seed. Song Sp. very tame.

May 26. Went with Mr. and Mrs. Cantelow to Los Banos. Drove by way of San Jose, Gilroy, San Juan, Hollister. Pachecs Pass closed so had to go by Panoche Pass and Tres Pinos, then along a foot hill road back to Los Banos. At Miller Lux Ranch near Gilroy saw several pairs of magpies, Yellow-billed. Had nests in oak tree across road from ranch house. A little farther on we stopped near a ranch where there were locust and large willow trees. Found nest of Bullock Oriole, one of Black-headed Grosbeak and one of Ark. Kingbird containing young almost grown. Almost dark when we went thro' pass. Sparrow Hawk last bird seen. Heard Gt. Horned Owl. Other birds seen from machine, Killdeer, Quail.

Mourning Doves (many), Turkey Vulture, Marsh Hawk, W. Red-tailed Hawk, Black Phoebe, Calif. Horned Lark, Yellow-billed Magpie, Calif. Jay, W. Crow, Red-winged Blackbird, Meadow Larks (many), Brewer Blackbird, Linnets, Willow Goldfinch, Brown Towhee, Cliff Swallow, Barn Swallow, Shrike, Yellow Warbler, W. Bluebird. Reached Los Banos about 10:30 p.m.

May 27. Arose at 5:00 a.m. Got into marshes by 6. First stop less than a mile from Los Banos, B. Orioles and Kingbirds (Ark.) in shade trees. On overflowed land, Black-necked Stilts (cir. 15) Black Terns (cir. 25) one nest with two eggs, on small platform in water about a foot deep. I think the alarm notes of this pair brought the birds from some distance. Saw also near open water Forster Terns and a few Green-winged Teal; also Redwinged and Brewer Blackbirds. A few Glossy Ibis flew in from the east and a Gt. Blue Heron was seen in the distance. As we drove on toward Merced many Burrowing Owls were seen, some with young. also a Bittern

We soon stopped again where the fields were under water and walked some distance - Many stilts came to meet us, also Black Terns.

As we walked through the water we found a nest of the Black Terns with two young, one downy and the other not yet dry from shell. No bits of shell in the nest. After we passed the bird returned promptly to the nest. Within a few minutes we found 6 Redwinged Blackbirds nests, three empty (one not quite lined), the others with 1, 2, and 3 eggs. Next a duck flew (Gadwall?) pretending to be wounded. Marking the spot we went to it and found four ducklings about 3 in long, downy, which went swimming off while the mother tried to lure us away. One of the ducklings dove as Mr. Cantelow tried to catch them. He caught one and we examined it, then let it go. Next came many Yellow-headed Blackbirds but we did not find their nests. The water being deep. Next a tule reed; on the dry spots were many killdeer but I did not find nests or young. A few Glossy Ibis flew in and we saw again the Forster Tern and a pair of Avocets. A Colony of Redwinged Blackbirds were very noisy. Mrs. Cantelow went into their tule patch and found the nests very close together. Many Barn Swallows were nesting under the bridge. One nest had four eggs - lined deep with feathers

Los Banos

A few Tree Swallows Cormorants flew over.
Several miniature Black-crowned Night Herons flushed from the tules. We returned about 11 a.m to machine and drove on part a large deep marsh on the right where there were many Glossy Ibis. Saw also an Anhinga Green Heron and more Gt. Blue Herons; some W. Crows, Coots, more Meadow Larks, Orioles, Blackbirds, Song Sparrows Ark. Kingbirds, Shrikes. At noon we reached the San Joaquin River where we had picnic lunch. Mosquitos were terrible! At this stop we found Cliff Swallows nesting under the bridge, five Oriole nests, two of them in clumps of mistletoe, a W. Crows nest and a Marsh Hawks nest in close in the water. A pair of Shrikes were feeding grown birds in the trees, Kingbirds were everywhere. Two or three Longtailed Chats could be heard at one time. Also Quail, Mourning Doves, Rufous Woodpecker, Linnets, Willow Goldfinch, Rhodets Song Sparrow, Sacramento Towhee, Warbling Vireo (heard only), Yellow Warbler, W. Yellowthroat. San Joaquin Wren; Green Goldfinch in Tules?
Total for 2 days 54.
In a meadow found 16 Black-crowned N.H. & pair of Cinnamon Teal- Home 10:30 p.m.

Boulder Co

June 1. Went to Boulder Creek to stay 2 months in Mrs. Johnson's cottage.

June 2. Cleaning Cottage. Heard Grosbeak, Purple Finch, Chickadees, Juncos, Chipping Sparrows, Yellow Warbler, Pileolated Warbler, Black-throated Gray Warbler, Russet-backed Thrush.

At noon saw Belted Kingfisher and heard Warbling Vireo and a Woodpecker. Nest of Robin 3 eggs.

June 6. Have seen the usual birds except the Olive-sides Flycatcher which is missing in this neighborhood. The Water ouzel is usually about the Barker bridge. Tried to take a census of the Barker woods at 6 a.m. but very few birds were singing as it was a cloudy morning. More birds in the orchard. Saw Willow Woodpeckers in the willow trees near the bridge Black Phoebes nest over front door of the Barker Cottage contained young almost grown.

June 7. Went to see Mrs. Jump at Mrs. Allen's cottage in Brookdale. She showed me a W. Flycatchers nest built in a hole in the bank above trail. Contained 4 downy young

Boulder Cr.

Heard Hermit Thrush in Canyon back of Brookdale Hotel. Heard one Olive-sided Flycatcher near Brookdale station. June 11. W. Flycatcher getting pinfeathers. June 10. Black Phoebes can fledge. Rain.
June 16. Made arrangements to give bird lessons to Boy Scouts, Troop 38, in camp up San Lorenzo River. Saw young Br. Towhee; was perched in tree over trail, yipping very loud. When it saw me it stopped and kept perfectly quiet for five minutes or more. Then began to call more quietly. Tail feathers less than 1 in.
17. Brown Towhees in nest on clothes line hatched. Clear. cloudy.

18. Cloudy. Gave lessons to Boy Scouts. Ten birds: Olive sided Flycatcher. Allen Hummer. Ash-throated Flycatcher (Jean). Purple Finch, Green-backed Goldfinch, Violet-green Swallow. Wren-tit. Coast Jay, Russet-backed Thrush and Pt. Pinos Junco. P. M. James came down from Berkeley with Ford bringing Mr. C. H. Whitman (Rutgers Coll.) with him

19. Went to Santa Cruz. Cloudy, misting at times.

20 Cloudy to clear. Walked with Mr. Whitman to Cherry orchard on Ben Lomond road. Heard Tanager singing. Also Hermit Thrush. Bil. W. feeding young.
P.M. Took Mr. Whitman to Mt. Hermon then drove to Santa Cruz - Clearer.

21. ~~Cloudy.~~ Rain at Windy - Painted auto.

22. Gave boys second lesson. Chickadee, Brown Towhee, Warbling Vireo, Turkey Buzzard, Pt. Pinos

23. Rained quite hard last night. Saw Vaux Swift near Mr. Alvarez Cottage.

24. Clear, beautiful day.

25. Took boy scouts for walk. Found Chipping Sparrow, Linnet Cliff Swallow, Song Sparrow, Black Phoebe, Vaux Swift, Calif. Woodpecker, Female Black-headed Grosbeak, Yellow warbler and Black-throated Warbler (female) beside many others seen on previous trips. Young Brown Towhees left nest on clothes line.

28. Warm. Found nest of Russet-backed Thrush.

29. Boy scouts lesson - Thrushes nest, Brown Towhees nest, Tawny Creeper. W. Flycatcher, W. Red-tailed Hawk.

July 2. Boy scouts last lesson. Nest of Olive-sided Flycatchers at head of first horizontal branch in large redwood on river bank. Feeding young. Nest of Ash-throated Flycatchers in tree about forty feet away. Added Pine Siskin to list. Hot. Lazuli Bunting singing near cottage yesterday & today.

July 6. Lesson with Wood-Craft Boys. Olive-sided Flycatchers feeding young in big redwood tree above Boulder Creek pool. Violet-Green Swallows feeding noisy young in nest in cornice of old building next Bear Creek Road.

July 9 - Drove to Big Basin. Azaleas still in bloom.

July 11 - Spent day on beach - Capitola, Santa Cruz Heard Nuttall's Sparrow.

July 12. Lazuli Bunting still singing near cottage
Thrush songs much reduced. Grosbeaks
call occasionally but no song. Saw many
last week in upper end of valley -

July 13. Found Western Tanager feeding young
at Ben Lomond. Have found them each
year in June near Walters Cherry or-
chard and have suspected they nested there

July 18. Heard Western Martin at 4:20 p.m.

July 20. Watched Vaux Swifts and learned their
call - a high pitched squeaking sound.

July 23. Drove along cliff north of Santa Cruz.
One rock just off shore covered with Faral-
lone (?) Cormorants and Gulls. One Heermann
Gull seen. Farther north a bird flew
out of a hole in the cliff - black with
large white wing patches and orange
feet. Body short (perhaps 10-12 in.) wings
longer. Bill moderately long - Several on water.
Another bird flew south - plain gray
above, lighter underneath. Looked
like Wandering Tattler. The note of the
group of birds was a high, prolonged note
like the sound of wind singing through ropes
or wires. The single bird utters a series
of staccato notes, not quite so high, repeated rapidly.

Pigeon Guillemots

July 29(?) Heard call-note of Marsh Hawk at dawn – three explosive raucous whistles repeated after interval. J. G. suggests Marbled Godwit. Mourlet. Major Brooks thinks Long-eared Owl.

July 31. Returned to Berkeley.

Aug. 5. At 10 p.m., as I stood on Mosswood Road, I heard the notes of shore birds in the air above – double whistled note – not like Curlew – Notes continued about five minutes then ceased. If they were flying directly the flock must have been large. If rising in spirals as gulls do in soaring migration, perhaps a smaller flock. The former supposition seems more reasonable. In Oakland Cemetery saw a family of very small quail (week old?)

Aug. 6. Dogs have made many paths through woods. Birds shy – Song Sparrow at drinking fountain has only half a tail. Young San Francisco Towhees with parents, still spotted. Pileolated Warbler heard. House Wren.

Aug. 8. Two Thrashers singing at dawn.

Aug. 9. Black headed Grosbeak near house calling and singing in snatches sotto voce. Anna Hummingbird about garden most of time – Lion's tongue in full bloom.

Aug. 11. San Francisco Towhee giving Three-diddle Song

Aug. 27, 28. Thunder showers.

Aug. 30. 9:30 at fountain; 2 song sparrow, 2 San Francisco (Shaded) Towhees, 1 Wren tit and 1 Russet-backed Thrush. 1 S.F. Towhee (not banded) and 1 Song Sp. (banded) on feeding table. Went to S.F. by Key Route. Many Sandpipers and Bonaparte Gulls and a few phalaropes. Also two Heermann Gulls followed the boat. Heads gray.

Sept. 7. Large Hawk flew over, long narrow tail. No colors except gray inside. Several flaps then soar, in direct line. Probably Coopers.

Sept. 8. Thrashers singing every morning. In fine plumage. Brown Towhees still moulting. Titmouse came to nesting box, alighted on roof and gave calls they give near nest. Seems true this week. Went also to hole and looked in. Quail very numerous and calling.

Sept. 14. Heard Kingfisher over swimming pool.

" 16. Several Quail flew from feeding table when I went out on porch. Must be same ones that fed there last year. Titmouse on box again.

1923

Sept. 19. Fire razed North Berkeley. Came into Strawberry Canyon also. Many hawks flying about during fire. Hot, north wind.

Sept. 23 - Russet-backed Thrush heard at dawn.

Sept. 24 - Ruby-crowned Kinglet in garden. Unbanded Br. Towhee, (on cage) banded Song Sp. (right foot) and Virgo Vireo at pool. Titmouse came to box as before.

Sept. 25. Rain.

Sept. 26. Fine, clear, sunny day - Robins in canyon.

Sept. 28. Fox Sparrow on feeding table.

Sept. 29. Fox Sparrow on table very tame but not banded

Sept. 30. Golden-crowned Sparrow gave two notes of song in early morning. Heard Hermit Thrush. Went to Baumberg - Could not get to fresh water ponds but on salt water saw 124 Avocets, 3 Godwits and a few sandpiper. Also Sparrow Hawk, Sharp-sh. Hawk and Turkey Buzzard, pipits.

Oct. 1. Saw Townsend Warbler from window.

Oct. 2. Intermediate Sparrows singing. Thrush eating berries of wild currant.

Oct. 6. 3 Fox Sparrows at fountain - no bands

Oct. 10. Many Int. & G.C. Sparrows singing, songs of latter not complete. Drove over to

Reservoir, Spruce St. in Wild Cat Canyon to see Ring-necked Ducks reported by Mr. Kibbe. There were eight - 3 males, 5 females - Distant views across the reservoir but in good light. One nearest remained under water about 35 sec. Many Audubon Warblers were catching insects over the water & 1 Black Phoebe.
Just before dark Blue Jays near house were terribly excited. I suppose they were mobbing an owl but in a few minutes Jamie came in to report a strange bird on the porch - near the kitchen door. covered ht. house and porch railing was a coot, one leg lame, wings clipped or exhausted so it could not fly over railing - very tame. Caught it and caged it in bird trap. Probably an escape from aviary burned Sept. 19.

Oct. 19. Heard Golden-crowned Kinglet. Mrs. Bogle reported Pd. W. Oct. 11

Oct. 24 - Many Hutton Vireos about. Also Townsend Warblers. Banded Brown Towhee seen - first time for many weeks. No banded Fox Sparrows seen yet.

Nov. 12. A dozen quail came on to table and railing, remaining sometime to feed on canary seed and crumbs. Others were at the pool.

Nov. 15. Continued warm weather, very little fog and no rain. Large flocks of Gambel, Nuttall and H-c. Sparrows go hurrying through the oaks and underbrush. Not settled to definite feeding grounds yet.

Nov. 16. Six Ruby-crowned Kinglets in the oaks just E. of house. All scolding and flying at each other, some with crowns raised. No cat or other source for unrest could be located. Seemed to be a contest for territory. Finally scattered. Nov. 17. Heard Crow up canyon.

Nov. 16. Still dry and warm. No high winds. Just calm clear warm weather. Large flock of Sparrows came to pool. Both Intermediates and Nuttalls singing. Golden-crowns present but heard no songs.

Dec. 9. Heard Varied Thrush – first time this year.

The continued warm weather lasted till Thanksgiving when it rained. This was followed by clear colder weather with more or less cold east wind. Birds have come more regularly for food as there has been no rain and no green grass or other fresh vegetation. Banded Song Sp., S. F. Towhees and one Brown Towhee are constantly seen at the fountain or table – the Br. Towhee less frequently than the others. No banded winter visitors have been seen though Fox Sparrows are about every day and Golden Crowned Sparrow occasionally. Even birds banded by Mrs. Claybaugh a little farther up the canyon near the swimming pool have not been detected here. Many Intermediate Sparrows have come to the pool on warm days but they hurry past, not remaining to feed.

Have had no time for trapping or for trips.

1924.

Dec. 13. Rain.

Jan. 23. 1924.

Only one or two showers since Dec. 13, not enough to make the hills really green yet. Clear dry weather with an occasional strong north wind has prevailed. The Intermediate and Golden-crowned sparrows are seldom seen or heard in the canyon. One Golden-crown only was heard singing in "Sunny Gulch" on Dec. 19. No banded winter visitants were detected on the feeding table till Jan. 23. when a banded Fox Sparrow came repeatedly. I put out my trap and took one S. F. Towhee (which died in my hand), one Fox Sparrow (put on band no. 55040) and one Song Sp. (no. 55036) banded Mar. 19, 1923. Have been pouring melted fat over food on table. Virgo Wren comes occasionally for fat.

Jan. 24. Golden-crowned Kinglets in the wake of a very large flock of bush tits - Several Ruby-crowned Kinglets in aggregation.

Jan. 24. (contin). Banded birds that come regularly for food: 2 song sparrows, both rt. ft.
1 S. F. Towhee (left foot)
1 Male S. F. Towhee (left foot sore, no band)
1 Female S. F. Towhee ( ), 2 Fox Sparrows (both rt. ft.)
At Cooper Club meeting in evening I was presented with a pair of 6 pr. binoculars and two books on European birds:— Dresser's Palaearctic Birds and Ramsay's Birds of Europe and North Africa. Have been Secretary eight years. Mr. Hunt who examined S. F. Towhee taken Jan. 23, reports male left side bloodless.

Jan. 25 — Rain — very much needed.
26 " Frogs croaking in stadium-
27 "
28 " . Six S. F. Towhees can be seen on feeding ground at one time. No song-sparrows except the two banded ones (both right foot.)

Feb. 12 Hills green. Beautiful weather
Saw titmouse feeding another (mates?)
Feb. 15. Heard Robins — first time for weeks
Feb. 17. Warm beautiful day —
Feb. 22. " " " . Lutescent Warbler back.

Feb. 28. A pair of thrashers on the table, both eating canary seed. Bush-tits building a nest in oak tree in the garden.

Feb. 29. A Raccoon came through the woods to drinking fountain, past dining room porch, past front porch, down steps and off to west through woods at 4:30 p.m. Perhaps a mascot belonging to one of the fraternities. Students worked on trails in hills this a.m. Labor Day - Leap year.

Mar. 3. Rain.

Mar. 6. Went to Golden Gate Park with Jane while Mrs. Parsons buried poison oak. Beautiful day. Many Allen Hummers dap. Juncos in full bloom - Also many Pine Siskins - On Stow Lake were Mallards, Ruddies (1 full plumage) Blue Bills, 1 Buffle Head, 1 Pied-billed Grebes. On Bay saw 2 W. Grebes. Hard Buoys - first time.

March 29. Clear after ten days of intermittent rains and chilly weather White throat. Townsend Warblers singing. Ruby-crowned Kinglets have been singing freely during past week. A pair of Brown Towhees came to look together yesterday and today. 7 & Quail on lawn at 8:30 a.m. All flew at alarm note of Brown Towhee.

Mar. 29. Heard Pileolated Warbler. Another Bush-tit's nest.
Apr. 2. Quail come often to lawn. Many Ind. Sp.
Apr. 5. 2 Pileolated Warblers heard. W. Gnatcatcher and Rufous-crowned Sparrow in Sunny Gulch.
Apr. 6. Dove & Mrs Allen and I walk. Very hot. Female titmouse sat on eggs while male looked into hole.

Stopped a few minutes at Banning-Bonds dry. Only one small patch of yellow meadow flowers. Poppies on dyke brilliant and very abundant. Man at Club House told me there were more ponds further over where there had been crowds and still. Only birds I saw were Meadow Larks. Black Birds (Br. and Red winged, Linnets, Yellow Throat, Gulls and Coots. Near Alvarado 4 were more Cliff Swallows and near Alameda many Phoebes

Apr. 7. Beautiful warm day without north wind.
Heard W. Flycatcher and Warbling Vireo. Many
Wht. Sparrows are feeding on worms in oak
trees - and singing freely. Townsend Warblers
and Kinglets also singing freely. At noon
a flock of Gulls was calling loudly as
they rose over hills. Black Phoebes near dairy.
Apr. 11. A robin flew into street and
picking up a stick flew up into tree
with it first as I passed in auto -
This was on the south side of Durant
Ave. just below Shattuck. Black Phoebe
same under porches.
Apr. 12. A Robin was singing at dawn.
A House Wren - the first I have
heard this spring - came into the
garden, investigated the box near
the swing, carried a stick up
and into it but disappeared after
a few minutes. Hermit Thrushes
are numerous. Kinglets & Townsend
Warblers and Intermediate and G.-c. Sparrows
still singing and eating the worms
which seem to be over abundant.
Apr. 15. Drove down to Los Altos - Many Yellow
Warblers singing - Ales yellow-throats.
Below at Los Altos - very cold, misty - in bay region

Apr. 14. Ruby-crowned Kinglet still here. Clear, cold.
Apr. 15. Black-headed Grosbeak singing. Titmouses feeding young in box.
Apr. 16. House-wrens began building in box next to Solitaire Warbler back.
swing. Warm, beautiful day.
Apr. 18. Robin singing up canyon. Fox Sp. still here.
Apr. 19. Grosbeaks common - Also many Pil. Warblers, Hermit Thrushes singing at dawn - one musically but not in full tones - the other in harsh unmusical notes. Beautiful day. Golden-crowns more numerous than Intermediates but some Int. still here. Hear Bluebirds often in direction of dairy -
Apr. 21. Int. Sp. still here but not singing and fewer than G. C. Sparrows.
Apr. 23. G-C. Sp. and Hermit Thrush still here. Weather raw, cloudy.
Apr. 25. A Cassin Vireo sang near house for an hour or more. No Hermit Th.
Apr. 26. Several Russet-backed Thrushes were whistling at dawn.
Apr. 27. Hermit Thrush and Intermediate Sp. came to bathe at 8 a.m. Her. Th again at 6 p.m.
Apr. 28 - Banded five baby titmouses in box.
Apr. 29. Fox Sparrow in pool at 6:45 a.m.

Apr. 29 (cont'd) Mr. Tenney took pictures of a pair of Towhee and Blue Jay on table and two baby titmouses posed on a twig. Beautiful day.

Apr. 30. Heard Lazuli Bunting – first time.

May 2. Mr. Tenney tried again to get photographs. Brought whole brood of titmouses to front porch which I netted in. Birds could not perch and showed much fear. One managed to escape and joins parents in trees. They could climb up netting and cling to vertical wall of shingles or brick – but not to twig.

May 4. Five eggs in House Wren's nest.

May 13 – Left Berkeley for year abroad. See next note book.

6565